

## CONSONANTS (PULMONIC)

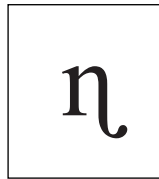
|          |                                                                                                                                                                                                                                 |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>p</b> | Name: VOICELESS BILABIAL PLOSIVE<br>IPA name: Lower-case P<br>IPA number: 101<br>Unicode name: LATIN SMALL LETTER P<br>Unicode range: Basic Latin<br>Hex value: 0070<br>TIPA code: p<br>AFII code: E2A2                         |
| <b>t</b> | Name: VOICELESS DENTAL/ALVEOLAR PLOSIVE<br>IPA name: Lower-case T<br>IPA number: 103<br>Unicode name: LATIN SMALL LETTER T<br>Unicode range: Basic Latin<br>Hex value: 0074<br>TIPA code: t<br>AFII code: E2B0                  |
| <b>ʈ</b> | Name: VOICELESS RETROFLEX PLOSIVE<br>IPA name: Right-tail T<br>IPA number: 105<br>Unicode name: LATIN SMALL LETTER T W/ RETROFLEX HOOK<br>Unicode range: IPA Extensions<br>Hex value: 0288<br>TIPA code: \:t<br>AFII code: E2C7 |
| <b>c</b> | Name: VOICELESS PALATAL PLOSIVE<br>IPA name: Lower-case C<br>IPA number: 107<br>Unicode name: LATIN SMALL LETTER C<br>Unicode range: Basic Latin<br>Hex value: 0063<br>TIPA code: c<br>AFII code: E2D8                          |
| <b>k</b> | Name: VOICELESS VELAR PLOSIVE<br>IPA name: Lower-case K<br>IPA number: 109<br>Unicode name: LATIN SMALL LETTER K<br>Unicode range: Basic Latin<br>Hex value: 006B<br>TIPA code: k<br>AFII code: E2DE                            |
| <b>q</b> | Name: VOICELESS UVULAR PLOSIVE<br>IPA name: Lower-case Q<br>IPA number: 111<br>Unicode name: LATIN SMALL LETTER Q<br>Unicode range: Basic Latin<br>Hex value: 0071<br>TIPA code: q<br>AFII code: E2E6                           |
| <b>ʔ</b> | Name: GLOTTAL PLOSIVE<br>IPA name: Glottal stop<br>IPA number: 113<br>Unicode name: LATIN LETTER GLOTTAL STOP<br>Unicode range: IPA Extensions<br>Hex value: 0294<br>TIPA code: P<br>AFII code: E2ED                            |

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| <b>b</b> | Name: VOICED BILABIAL PLOSIVE<br>IPA name: Lower-case B<br>IPA number: 102<br>Unicode name: LATIN SMALL LETTER B<br>Unicode range: Basic Latin<br>Hex value: 0062<br>TIPA code: b<br>AFII code: E2A3                                         |
| <b>d</b> | Name: VOICED DENTAL/ALVEOLAR PLOSIVE<br>IPA name: Lower-case D<br>IPA number: 104<br>Unicode name: LATIN SMALL LETTER D<br>Unicode range: Basic Latin<br>Hex value: 0064<br>TIPA code: d<br>AFII code: E2B1                                  |
| <b>ɖ</b> | Name: VOICED RETROFLEX PLOSIVE<br>IPA name: Right-tail D<br>IPA number: 106<br>Unicode name: LATIN SMALL LETTER D W/ TAIL<br>Unicode range: IPA Extensions<br>Hex value: 0256<br>TIPA code: \:d<br>AFII code: E2C8                           |
| <b>ɟ</b> | Name: VOICED PALATAL PLOSIVE<br>IPA name: Barred dotless J<br>IPA number: 108<br>Unicode name: LATIN SMALL LETTER DOTLESS J W/ STROKE<br>Unicode range: IPA Extensions<br>Hex value: 025F<br>TIPA code: \:textbardotlessj<br>AFII code: E2D9 |
| <b>ɡ</b> | Name: VOICED VELAR PLOSIVE<br>IPA name: Opentail G<br>IPA number: 110<br>Unicode name: LATIN SMALL LETTER SCRIPT G<br>Unicode range: IPA Extensions<br>Hex value: 0261<br>TIPA code: g<br>AFII code: E2DF                                    |
| <b>ᑭ</b> | Name: VOICED UVULAR PLOSIVE<br>IPA name: Small capital G<br>IPA number: 112<br>Unicode name: LATIN LETTER SMALL CAPITAL G<br>Unicode range: IPA Extensions<br>Hex value: 0262<br>TIPA code: \:G<br>AFII code: E2E7                           |
| <b>m</b> | Name: VOICED BILABIAL NASAL<br>IPA name: Lower-case M<br>IPA number: 114<br>Unicode name: LATIN SMALL LETTER M<br>Unicode range: Basic Latin<br>Hex value: 006D<br>TIPA code: m<br>AFII code: E2A1                                           |

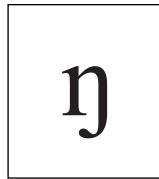
## CONSONANTS (PULMONIC)



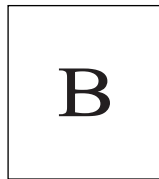
Name: VOICED LABIODENTAL NASAL  
IPA name: Left-tail M (at right)  
IPA number: 115  
Unicode name: LATIN SMALL LETTER M W/ HOOK  
Unicode range: IPA Extensions  
Hex value: 0271  
TIPA code: M  
AFII code: E2AB



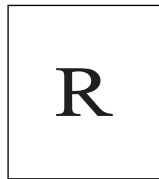
Name: VOICED RETROFLEX NASAL  
IPA name: Right-tail N  
IPA number: 117  
Unicode name: LATIN SMALL LETTER N W/ RETROFLEX HOOK  
Unicode range: IPA Extensions  
Hex value: 0273  
TIPA code: \:n  
AFII code: E2C6



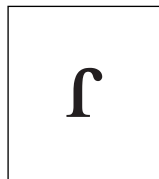
Name: VOICED VELAR NASAL  
IPA name: Eng  
IPA number: 119  
Unicode name: LATIN SMALL LETTER ENG  
Unicode range: Latin Extended-A  
Hex value: 014B  
TIPA code: N  
AFII code: E2DD



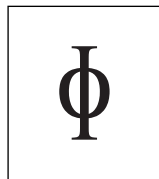
Name: VOICED BILABIAL TRILL  
IPA name: Small capital B  
IPA number: 121  
Unicode name: LATIN LETTER SMALL CAPITAL B  
Unicode range: IPA Extensions  
Hex value: 0299  
TIPA code: \:B  
AFII code: E2F0



Name: VOICED UVULAR TRILL  
IPA name: Small capital R  
IPA number: 123  
Unicode name: LATIN LETTER SMALL CAPITAL R  
Unicode range: IPA Extensions  
Hex value: 0280  
TIPA code: \:R  
AFII code: E2EA



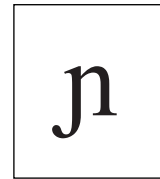
Name: VOICED DENTAL/ALVEOLAR TAP  
IPA name: Fish-hook R  
IPA number: 124  
Unicode name: LATIN SMALL LETTER R W/ FISHHOOK  
Unicode range: IPA Extensions  
Hex value: 027E  
TIPA code: R  
AFII code: E2C1



Name: VOICELESS BILABIAL FRICATIVE  
IPA name: Phi  
IPA number: 126  
Unicode name: LATIN SMALL LETTER PHI  
Unicode range: IPA Extensions  
Hex value: 0278  
TIPA code: F  
AFII code: E2A4



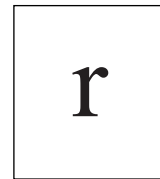
Name: VOICED DENTAL/ALVEOLAR NASAL  
IPA name: Lower-case N  
IPA number: 116  
Unicode name: LATIN SMALL LETTER N  
Unicode range: Basic Latin  
Hex value: 006E  
TIPA code: n  
AFII code: E2AF



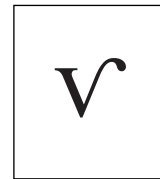
Name: VOICED PALATAL NASAL  
IPA name: Left-tail N (at left)  
IPA number: 118  
Unicode name: LATIN SMALL LETTER N W/ LEFT HOOK  
Unicode range: IPA Extensions  
Hex value: 0272  
TIPA code: \:textltailn  
AFII code: E2D7



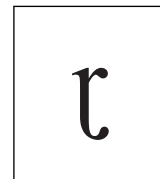
Name: VOICED UVULAR NASAL  
IPA name: Small capital N  
IPA number: 120  
Unicode name: LATIN LETTER SMALL CAPITAL N  
Unicode range: IPA Extensions  
Hex value: 0274  
TIPA code: \:N  
AFII code: E2E4



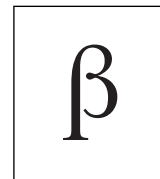
Name: VOICED DENTAL/ALVEOLAR TRILL  
IPA name: Lower-case R  
IPA number: 122  
Unicode name: LATIN SMALL LETTER R  
Unicode range: Basic Latin  
Hex value: 0072  
TIPA code: r  
AFII code: E2C0



Name: VOICED LABIODENTAL FLAP  
IPA name: Right-hook V  
IPA number: 184  
Unicode name: LATIN SMALL LETTER V W/ RIGHT HOOK  
Unicode range: Latin Extended-C  
Hex value: 2C71  
TIPA code: N/A  
AFII code: N/A



Name: VOICED RETROFLEX FLAP  
IPA name: Right-tail R  
IPA number: 125  
Unicode name: LATIN SMALL LETTER R W/ TAIL  
Unicode range: IPA Extensions  
Hex value: 027D  
TIPA code: \:r  
AFII code: E2CD



Name: VOICED BILABIAL FRICATIVE  
IPA name: Beta  
IPA number: 127  
Unicode name: GREEK SMALL LETTER BETA  
Unicode range: Greek and Coptic  
Hex value: 03B2  
TIPA code: B  
AFII code: E2A5

## CONSONANTS (PULMONIC)

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| <b>f</b> | Name: VOICELESS LABIODENTAL FRICATIVE<br>IPA name: Lower-case F<br>IPA number: 128<br>Unicode name: LATIN SMALL LETTER F<br>Unicode range: Basic Latin<br>Hex value: 0066<br>TIPA code: f<br>AFII code: E2AC |
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| <b>θ</b> | Name: VOICELESS DENTAL FRICATIVE<br>IPA name: Theta<br>IPA number: 130<br>Unicode name: GREEK SMALL LETTER THETA<br>Unicode range: Greek and Coptic<br>Hex value: 03B8<br>TIPA code: T<br>AFII code: E2B2 |
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| <b>s</b> | Name: VOICELESS ALVEOLAR FRICATIVE<br>IPA name: Lower-case S<br>IPA number: 132<br>Unicode name: LATIN SMALL LETTER S<br>Unicode range: Basic Latin<br>Hex value: 0073<br>TIPA code: s<br>AFII code: E2B6 |
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| <b>ʃ</b> | Name: VOICELESS POSTALVEOLAR FRICATIVE<br>IPA name: Esh<br>IPA number: 134<br>Unicode name: LATIN SMALL LETTER ESH<br>Unicode range: IPA Extensions<br>Hex value: 0283<br>TIPA code: S<br>AFII code: E2D0 |
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| <b>ʂ</b> | Name: VOICELESS RETROFLEX FRICATIVE<br>IPA name: Right-tail S (at left)<br>IPA number: 136<br>Unicode name: LATIN SMALL LETTER S W/ HOOK<br>Unicode range: IPA Extensions<br>Hex value: 0282<br>TIPA code: \s<br>AFII code: E2C9 |
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| <b>ç</b> | Name: VOICELESS PALATAL FRICATIVE<br>IPA name: C cedilla<br>IPA number: 138<br>Unicode name: LATIN SMALL LETTER C W/ CEDILLA<br>Unicode range: Latin-1 Supplement<br>Hex value: 00E7<br>TIPA code: \c{c}<br>AFII code: E2DA |
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| <b>x</b> | Name: VOICELESS VELAR FRICATIVE<br>IPA name: Lower-case X<br>IPA number: 140<br>Unicode name: LATIN SMALL LETTER X<br>Unicode range: Basic Latin<br>Hex value: 0078<br>TIPA code: x<br>AFII code: E2E0 |
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| <b>v</b> | Name: VOICED LABIODENTAL FRICATIVE<br>IPA name: Lower-case V<br>IPA number: 129<br>Unicode name: LATIN SMALL LETTER V<br>Unicode range: Basic Latin<br>Hex value: 0076<br>TIPA code: v<br>AFII code: E2AD |
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| <b>ð</b> | Name: VOICED DENTAL FRICATIVE<br>IPA name: Eth<br>IPA number: 131<br>Unicode name: LATIN SMALL LETTER ETH<br>Unicode range: Latin-1 Supplement<br>Hex value: 00F0<br>TIPA code: D<br>AFII code: E2B3 |
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| <b>z</b> | Name: VOICED ALVEOLAR FRICATIVE<br>IPA name: Lower-case Z<br>IPA number: 133<br>Unicode name: LATIN SMALL LETTER Z<br>Unicode range: Basic Latin<br>Hex value: 007A<br>TIPA code: z<br>AFII code: E2B7 |
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| <b>ʒ</b> | Name: VOICED POSTALVEOLAR FRICATIVE<br>IPA name: Ezh; Tailed Z<br>IPA number: 135<br>Unicode name: LATIN SMALL LETTER EZH<br>Unicode range: IPA Extensions<br>Hex value: 0292<br>TIPA code: Z<br>AFII code: E2D1 |
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| <b>ʐ</b> | Name: VOICED RETROFLEX FRICATIVE<br>IPA name: Right-tail Z<br>IPA number: 137<br>Unicode name: LATIN SMALL LETTER Z W/ RETROFLEX HOOK<br>Unicode range: IPA Extensions<br>Hex value: 0290<br>TIPA code: \z<br>AFII code: E2CA |
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| <b>j</b> | Name: VOICED PALATAL FRICATIVE<br>IPA name: Curly-tail J<br>IPA number: 139<br>Unicode name: LATIN SMALL LETTER J W/ CROSSED-TAIL<br>Unicode range: IPA Extensions<br>Hex value: 029D<br>TIPA code: J<br>AFII code: E2F3 |
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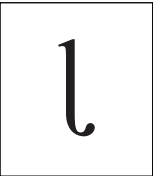
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| <b>ɣ</b> | Name: VOICED VELAR FRICATIVE<br>IPA name: Gamma<br>IPA number: 141<br>Unicode name: LATIN SMALL LETTER GAMMA<br>Unicode range: IPA Extensions<br>Hex value: 0263<br>TIPA code: G<br>AFII code: E2E1 |
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# CONSONANTS (PULMONIC)

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| Χ | Name: VOICELESS UVULAR FRICATIVE<br>IPA name: Chi<br>IPA number: 142<br>Unicode name: GREEK SMALL LETTER CHI<br>Unicode range: Greek and Coptic<br>Hex value: 03C7<br>TIPA code: X<br>AFII code: E2E8                                         |
| ħ | Name: VOICELESS PHARYNGEAL FRICATIVE<br>IPA name: Barred H<br>IPA number: 144<br>Unicode name: LATIN SMALL LETTER H W/ STROKE<br>Unicode range: Latin Extended-A<br>Hex value: 0127<br>TIPA code: \textcrh<br>AFII code: E2EB                 |
| h | Name: VOICELESS GLOTTAL FRICATIVE<br>IPA name: Lower-case H<br>IPA number: 146<br>Unicode name: LATIN SMALL LETTER H<br>Unicode range: Basic Latin<br>Hex value: 0068<br>TIPA code: h<br>AFII code: E2EE                                      |
| ɬ | Name: VOICELESS DENTAL/ALVEOLAR LATERAL FRICATIVE<br>IPA name: Belted L<br>IPA number: 148<br>Unicode name: LATIN SMALL LETTER L W/ BELT<br>Unicode range: IPA Extensions<br>Hex value: 026C<br>TIPA code: \textbeltl<br>AFII code: E2BB      |
| ʋ | Name: VOICED LABIODENTAL APPROXIMANT<br>IPA name: Cursive V<br>IPA number: 150<br>Unicode name: LATIN SMALL LETTER V W/ HOOK<br>Unicode range: IPA Extensions<br>Hex value: 028B<br>TIPA code: V<br>AFII code: E2AE                           |
| ɹ | Name: VOICED RETROFLEX APPROXIMANT<br>IPA name: Turned R right tail<br>IPA number: 152<br>Unicode name: LATIN SMALL LETTER TURNED R W/ HOOK<br>Unicode range: IPA Extensions<br>Hex value: 027B<br>TIPA code: \:R<br>AFII code: E2CB          |
| ɰ | Name: VOICED VELAR APPROXIMANT<br>IPA name: Turned M right leg<br>IPA number: 154<br>Unicode name: LATIN SMALL LETTER TURNED M W/ LONG LEG<br>Unicode range: IPA Extensions<br>Hex value: 0270<br>TIPA code: \textturnmrlg<br>AFII code: E2E2 |

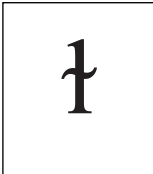
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| ʀ | Name: VOICED UVULAR FRICATIVE<br>IPA name: Inverted small capital R<br>IPA number: 143<br>Unicode name: LATIN LETTER SMALL CAPITAL INVERTED R<br>Unicode range: IPA Extensions<br>Hex value: 0281<br>TIPA code: K<br>AFII code: E2E9                 |
| ʁ | Name: VOICED PHARYNGEAL FRICATIVE/APPROXIMANT<br>IPA name: Reversed glottal stop<br>IPA number: 145<br>Unicode name: LATIN LETTER PHARYNGEAL VOICED FRICATIVE<br>Unicode range: IPA Extensions<br>Hex value: 0295<br>TIPA code: Q<br>AFII code: E2EC |
| ɦ | Name: VOICED GLOTTAL FRICATIVE<br>IPA name: Hooktop H<br>IPA number: 147<br>Unicode name: LATIN SMALL LETTER H W/ HOOK<br>Unicode range: IPA Extensions<br>Hex value: 0266<br>TIPA code: H<br>AFII code: E2EF                                        |
| ɮ | Name: VOICED DENTAL/ALVEOLAR LATERAL FRICATIVE<br>IPA name: L-Ezh ligature<br>IPA number: 149<br>Unicode name: LATIN SMALL LETTER LEZH<br>Unicode range: IPA Extensions<br>Hex value: 026E<br>TIPA code: \textlyoghlig<br>AFII code: E2BC            |
| ɽ | Name: VOICED DENTAL/ALVEOLAR APPROXIMANT<br>IPA name: Turned R<br>IPA number: 151<br>Unicode name: LATIN SMALL LETTER TURNED R<br>Unicode range: IPA Extensions<br>Hex value: 0279<br>TIPA code: \*r<br>AFII code: E2BA                              |
| j | Name: VOICED PALATAL APPROXIMANT<br>IPA name: Lower-case J<br>IPA number: 153<br>Unicode name: LATIN SMALL LETTER J<br>Unicode range: Basic Latin<br>Hex value: 006A<br>TIPA code: j<br>AFII code: E2DB                                              |
| ɭ | Name: VOICED DENTAL/ALVEOLAR LATERAL APPROXIMANT<br>IPA name: Lower-case L<br>IPA number: 155<br>Unicode name: LATIN SMALL LETTER L<br>Unicode range: Basic Latin<br>Hex value: 006C<br>TIPA code: l<br>AFII code: E2BD                              |

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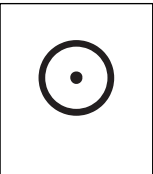
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|  | Name: VOICED RETROFLEX LATERAL APPROXIMANT<br>IPA name: Right-tail L<br>IPA number: 156<br>Unicode name: LATIN SMALL LETTER L W/ RETROFLEX HOOK<br>Unicode range: IPA Extensions<br>Hex value: 026D<br>TIPA code: \l<br>AFII code: E2CC |
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|  | Name: VOICED VELAR LATERAL APPROXIMANT<br>IPA name: Small capital L<br>IPA number: 158<br>Unicode name: LATIN LETTER SMALL CAPITAL L<br>Unicode range: IPA Extensions<br>Hex value: 029F<br>TIPA code: \;L<br>AFII code: E2F5 |
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|  | Name: VOICED PALATAL LATERAL APPROXIMANT<br>IPA name: Turned Y<br>IPA number: 157<br>Unicode name: LATIN SMALL LETTER TURNED Y<br>Unicode range: IPA Extensions<br>Hex value: 028E<br>TIPA code: L<br>AFII code: E2DC |
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|  | Name: VELARIZED VOICED DENTAL/ALVEOLAR LATERAL APPROXIMANT<br>IPA name: L with tilde<br>IPA number: 209<br>Unicode name: LATIN SMALL LETTER L W/ MIDDLE TILDE<br>Unicode range: IPA Extensions<br>Hex value: 026B<br>TIPA code: N/A<br>AFII code: E27D |
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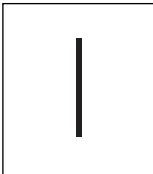
## CONSONANTS (NON-PULMONIC)

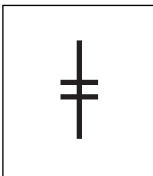
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|  | Name: BILABIAL CLICK<br>IPA name: Bull's eye<br>IPA number: 176<br>Unicode name: LATIN LETTER BILABIAL CLICK<br>Unicode range: IPA Extensions<br>Hex value: 0298<br>TIPA code: \lo<br>AFII code: E2AA |
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|  | Name: (POST)ALVEOLAR CLICK<br>IPA name: Exclamation point<br>IPA number: 178<br>Unicode name: LATIN LETTER RETROFLEX CLICK<br>Unicode range: Latin Extended-B<br>Hex value: 01C3<br>TIPA code: !<br>AFII code: 23A5 |
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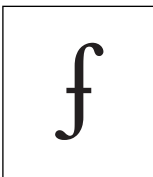
|                                                                                    |                                                                                                                                                                                                                |
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|  | Name: ALVEOLAR LATERAL CLICK<br>IPA name: Double pipe<br>IPA number: 180<br>Unicode name: LATIN LETTER LATERAL CLICK<br>Unicode range: Latin Extended-B<br>Hex value: 01C1<br>TIPA code:   <br>AFII code: 23A7 |
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|  | Name: VOICED DENTAL/ALVEOLAR IMPLOSIVE<br>IPA name: Hooktop D<br>IPA number: 162<br>Unicode name: LATIN SMALL LETTER D W/ HOOK<br>Unicode range: IPA Extensions<br>Hex value: 0257<br>TIPA code: \ld<br>AFII code: E2C2 |
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|  | Name: DENTAL CLICK<br>IPA name: Pipe<br>IPA number: 177<br>Unicode name: LATIN LETTER DENTAL CLICK<br>Unicode range: Latin Extended-B<br>Hex value: 01C0<br>TIPA code:  <br>AFII code: 23A6 |
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|  | Name: PALATOALVEOLAR CLICK<br>IPA name: Double-barred pipe<br>IPA number: 179<br>Unicode name: LATIN LETTER ALVEOLAR CLICK<br>Unicode range: Latin Extended-B<br>Hex value: 01C2<br>TIPA code: \textdoublebarpipe<br>AFII code: 23A4 |
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|  | Name: VOICED BILABIAL IMPLOSIVE<br>IPA name: Hooktop B<br>IPA number: 160<br>Unicode name: LATIN SMALL LETTER B W/ HOOK<br>Unicode range: IPA Extensions<br>Hex value: 0253<br>TIPA code: \lb<br>AFII code: E2A9 |
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|  | Name: VOICED PALATAL IMPLOSIVE<br>IPA name: Hooktop barred dotless J<br>IPA number: 164<br>Unicode name: LATIN SMALL LETTER DOTLESS J W/ STROKE AND HOOK<br>Unicode range: IPA Extensions<br>Hex value: 0284<br>TIPA code: \lj<br>AFII code: E27C |
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## CONSONANTS (NON-PULMONIC)

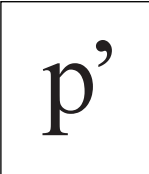
 Name: VOICED VELAR IMPLOSIVE  
IPA name: Hooktop G  
IPA number: 166  
Unicode name: LATIN SMALL LETTER G W/ HOOK  
Unicode range: IPA Extensions  
Hex value: 0260  
TIPA code: \!g  
AFII code: E27E

 Name: EJECTIVE  
IPA name: Apostrophe  
IPA number: 401  
Unicode name: MODIFIER LETTER APOSTROPHE  
Unicode range: Spacing Modifier Letters  
Hex value: 02BC  
TIPA code: N/A  
AFII code: E249

 Name: DENTAL/ALVEOLAR EJECTIVE  
IPA name: Lower-case T + apostrophe  
IPA number: 103 + 401  
Unicode name: N/A  
Unicode range: N/A  
Hex value: 0074 + 02BC  
TIPA code: N/A  
AFII code: N/A

 Name: ALVEOLAR FRICATIVE EJECTIVE  
IPA name: Lower-case S + apostrophe  
IPA number: 132 + 401  
Unicode name: N/A  
Unicode range: N/A  
Hex value: 0073 + 02BC  
TIPA code: N/A  
AFII code: N/A

 Name: VOICED UVULAR IMPLOSIVE  
IPA name: Hooktop small capital G  
IPA number: 168  
Unicode name: LATIN LETTER SMALL CAPITAL G W/ HOOK  
Unicode range: IPA Extensions  
Hex value: 029B  
TIPA code: \!G  
AFII code: E2F1

 Name: BILABIAL EJECTIVE  
IPA name: Lower-case P + apostrophe  
IPA number: 101 + 401  
Unicode name: N/A  
Unicode range: N/A  
Hex value: 0070 + 02BC  
TIPA code: N/A  
AFII code: N/A

 Name: VELAR EJECTIVE  
IPA name: Lower-case K + apostrophe  
IPA number: 109 + 401  
Unicode name: N/A  
Unicode range: N/A  
Hex value: 006B + 02BC  
TIPA code: N/A  
AFII code: N/A

## OTHER SYMBOLS

 Name: VOICELESS LABIAL-VELAR FRICATIVE  
IPA name: Turned W  
IPA number: 169  
Unicode name: LATIN SMALL LETTER TURNED W  
Unicode range: IPA Extensions  
Hex value: 028D  
TIPA code: \\*w  
AFII code: E2A7

 Name: VOICED LABIAL-PALATAL APPROXIMANT  
IPA name: Turned H  
IPA number: 171  
Unicode name: LATIN SMALL LETTER TURNED H  
Unicode range: IPA Extensions  
Hex value: 0265  
TIPA code: 4  
AFII code: E2A6

 Name: VOICED LABIAL-VELAR APPROXIMANT  
IPA name: Lower-case W  
IPA number: 170  
Unicode name: LATIN SMALL LETTER W  
Unicode range: Basic Latin  
Hex value: 0077  
TIPA code: w  
AFII code: E2A8

 Name: VOICELESS EPIGLOTTAL FRICATIVE  
IPA name: Small capital H  
IPA number: 172  
Unicode name: LATIN LETTER SMALL CAPITAL H  
Unicode range: IPA Extensions  
Hex value: 029C  
TIPA code: \;H  
AFII code: E2F2

## OTHER SYMBOLS

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|  | Name: VOICED EPIGLOTTAL FRICATIVE/APPROXIMANT<br>IPA name: Barred reversed glottal stop<br>IPA number: 174<br>Unicode name: LATIN LETTER REVERSED GLOTTAL STOP W/ STROKE<br>Unicode range: IPA Extensions<br>Hex value: 02A2<br>TIPA code: \textbarrevglotstop<br>AFII code: E2F8 |
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|  | Name: VOICELESS ALVEOLO-PALATAL FRICATIVE<br>IPA name: Curly-tail C<br>IPA number: 182<br>Unicode name: LATIN SMALL LETTER C W/ CURL<br>Unicode range: IPA Extensions<br>Hex value: 0255<br>TIPA code: C<br>AFII code: E2CE |
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|  | Name: VOICED ALVEOLAR LATERAL FLAP<br>IPA name: Turned long-leg R<br>IPA number: 181<br>Unicode name: LATIN SMALL LETTER TURNED R W/ LONG LEG<br>Unicode range: IPA Extensions<br>Hex value: 027A<br>TIPA code: \textturnlonglegr<br>AFII code: E2BF |
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|  | Name: TIE BAR (BELOW)<br>IPA name: Bottom tie bar<br>IPA number: (509)<br>Unicode name: COMBINING DOUBLE BREVE BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 035C<br>TIPA code: N/A<br>AFII code: 230F |
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|  | Name: EPIGLOTTAL PLOSIVE<br>IPA name: Barred glottal stop<br>IPA number: 173<br>Unicode name: LATIN LETTER GLOTTAL STOP W/ STROKE<br>Unicode range: IPA Extensions<br>Hex value: 02A1<br>TIPA code: \textbarglotstop<br>AFII code: E2F7 |
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|  | Name: VOICED ALVEOLO-PALATAL FRICATIVE<br>IPA name: Curly-tail Z<br>IPA number: 183<br>Unicode name: LATIN SMALL LETTER Z W/ CURL<br>Unicode range: IPA Extensions<br>Hex value: 0291<br>TIPA code: \textctz<br>AFII code: E2CF |
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|  | Name: VOICELESS POSTALVEOLAR-VELAR FRICATIVE<br>IPA name: Hooktop heng<br>IPA number: 175<br>Unicode name: LATIN SMALL LETTER HENG W/ HOOK<br>Unicode range: IPA Extensions<br>Hex value: 0267<br>TIPA code: \texthheng<br>AFII code: E2D6 |
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|  | Name: TIE BAR (ABOVE)<br>IPA name: Top tie bar<br>IPA number: 433<br>Unicode name: COMBINING DOUBLE INVERTED BREVE<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0361<br>TIPA code: \t{cc}<br>AFII code: E225 |
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## DIACRITICS

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|  | Name: VOICELESS<br>IPA name: Under-ring<br>IPA number: 402A<br>Unicode name: COMBINING RING BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0325<br>TIPA code: \r*c<br>AFII code: E229 |
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|  | Name: VOICED<br>IPA name: Subscript wedge<br>IPA number: 403<br>Unicode name: COMBINING CARON BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 032C<br>TIPA code: \v*c<br>AFII code: E22A |
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|  | Name: VOICELESS (ABOVE)<br>IPA name: Over-ring<br>IPA number: 402B<br>Unicode name: COMBINING RING ABOVE<br>Unicode range: Combining Diacritical Marks<br>Hex value: 030A<br>TIPA code: N/A<br>AFII code: 00CA |
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|  | Name: ASPIRATED<br>IPA name: Superscript H<br>IPA number: 404<br>Unicode name: MODIFIER LETTER SMALL H<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02B0<br>TIPA code: c/super h<br>AFII code: D565 |
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## DIACRITICS

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|  | Name: MORE ROUNDED<br>IPA name: Subscript right half-ring<br>IPA number: 411<br>Unicode name: COMBINING RIGHT HALF RING BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0339<br>TIPA code: \} v<br>AFII code: E23C |
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|  | Name: ADVANCED<br>IPA name: Subscript plus<br>IPA number: 413<br>Unicode name: COMBINING PLUS SIGN BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 031F<br>TIPA code: \}  + v<br>AFII code: E233 |
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|  | Name: CENTRALIZED<br>IPA name: Umlaut<br>IPA number: 415<br>Unicode name: COMBINING DIAERESIS<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0308<br>TIPA code: \ ^v<br>AFII code: E221 |
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|  | Name: SYLLABIC<br>IPA name: Syllabicity mark<br>IPA number: 431<br>Unicode name: COMBINING VERTICAL LINE BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0329<br>TIPA code: \s{c}<br>AFII code: E22E |
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|  | Name: RHOTICITY<br>IPA name: Right hook<br>IPA number: 419<br>Unicode name: MODIFIER LETTER RHOTIC HOOK<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02DE<br>TIPA code: v\texttrhoticity<br>AFII code: E28A |
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|  | Name: CREAKY VOICED<br>IPA name: Subscript tilde<br>IPA number: 406<br>Unicode name: COMBINING TILDE BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0330<br>TIPA code: \~*c<br>AFII code: 23D8 |
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|  | Name: LABIALIZED<br>IPA name: Superscript W<br>IPA number: 420<br>Unicode name: MODIFIER LETTER SMALL W<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02B7<br>TIPA code: c\super w<br>AFII code: D56E |
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|  | Name: LESS ROUNDED<br>IPA name: Subscript left half-ring<br>IPA number: 412<br>Unicode name: COMBINING LEFT HALF RING BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 031C<br>TIPA code: \ (v<br>AFII code: E232 |
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|  | Name: RETRACTED<br>IPA name: Under-bar<br>IPA number: 414<br>Unicode name: COMBINING MINUS SIGN BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0320<br>TIPA code: \=*v<br>AFII code: E234 |
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|  | Name: MID-CENTRALIZED<br>IPA name: Over-cross<br>IPA number: 416<br>Unicode name: COMBINING X ABOVE<br>Unicode range: Combining Diacritical Marks<br>Hex value: 033D<br>TIPA code: \ x{v}<br>AFII code: 2311 |
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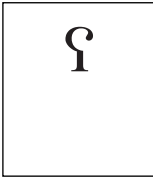
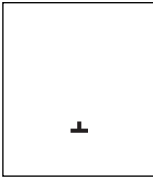
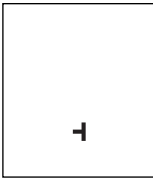
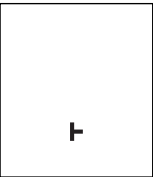
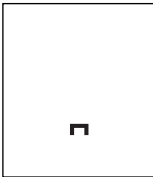
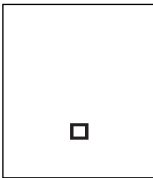
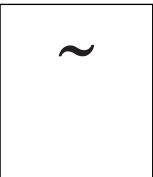
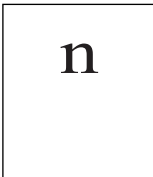
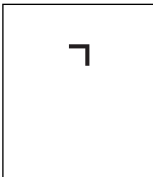
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|  | Name: NON-SYLLABIC<br>IPA name: Subscript arch<br>IPA number: 432<br>Unicode name: COMBINING INVERTED BREVE BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 032F<br>TIPA code: \textsubarch{v}<br>AFII code: 23FA |
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|  | Name: BREATHY VOICED<br>IPA name: Subscript umlaut<br>IPA number: 405<br>Unicode name: COMBINING DIAERESIS BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0324<br>TIPA code: \ ^*c<br>AFII code: E22B |
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|  | Name: LINGUOLABIAL<br>IPA name: Subscript seagull<br>IPA number: 407<br>Unicode name: COMBINING SEAGULL BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 033C<br>TIPA code: \ m{c}<br>AFII code: 22E8 |
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|  | Name: PALATALIZED<br>IPA name: Superscript J<br>IPA number: 421<br>Unicode name: MODIFIER LETTER SMALL J<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02B2<br>TIPA code: c\super j<br>AFII code: D567 |
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## DIACRITICS

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|    | <p>Name: VELARIZED</p> <p>IPA name: Superscript gamma</p> <p>IPA number: 422</p> <p>Unicode name: MODIFIER LETTER SMALL GAMMA</p> <p>Unicode range: Spacing Modifier Letters</p> <p>Hex value: 02E0</p> <p>TIPA code: c\super G</p> <p>AFII code: E28B</p>                                    |    | <p>Name: PHARYNGEALIZED</p> <p>IPA name: Superscript reversed glottal stop</p> <p>IPA number: 423</p> <p>Unicode name: MODIFIER LETTER SMALL REVERSED GLOTTAL STOP</p> <p>Unicode range: Spacing Modifier Letters</p> <p>Hex value: 02E4</p> <p>TIPA code: c\super Q</p> <p>AFII code: E28C</p> |
|    | <p>Name: VELARIZED OR PHARYNGEALIZED</p> <p>IPA name: Superimposed tilde</p> <p>IPA number: 428</p> <p>Unicode name: COMBINING TILDE OVERLAY</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 0334</p> <p>TIPA code: \ \textsuperimposetilde{c}</p> <p>AFII code: E226</p> |    | <p>Name: RAISED</p> <p>IPA name: Raising sign</p> <p>IPA number: 429</p> <p>Unicode name: COMBINING UP TACK BELOW</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 031D</p> <p>TIPA code: \ \^v</p> <p>AFII code: E22F</p>                                                   |
|    | <p>Name: LOWERED</p> <p>IPA name: Lowering sign</p> <p>IPA number: 430</p> <p>Unicode name: COMBINING DOWN TACK BELOW</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 031E</p> <p>TIPA code: \ \^v</p> <p>AFII code: E231</p>                                             |    | <p>Name: ADVANCED TONGUE ROOT</p> <p>IPA name: Advancing sign</p> <p>IPA number: 417</p> <p>Unicode name: COMBINING LEFT TACK BELOW</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 0318</p> <p>TIPA code: \ \&lt;v</p> <p>AFII code: 23F7</p>                              |
|    | <p>Name: RETRACTED TONGUE ROOT</p> <p>IPA name: Retracting sign</p> <p>IPA number: 418</p> <p>Unicode name: COMBINING RIGHT TACK BELOW</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 0319</p> <p>TIPA code: \ \&gt;v</p> <p>AFII code: 23F8</p>                         |    | <p>Name: DENTAL</p> <p>IPA name: Subscript bridge</p> <p>IPA number: 408</p> <p>Unicode name: COMBINING BRIDGE BELOW</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 032A</p> <p>TIPA code: \ \[c</p> <p>AFII code: E22C</p>                                                |
|   | <p>Name: APICAL</p> <p>IPA name: Inverted subscript bridge</p> <p>IPA number: 409</p> <p>Unicode name: COMBINING INVERTED BRIDGE BELOW</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 033A</p> <p>TIPA code: \ \]c</p> <p>AFII code: 23FD</p>                            |   | <p>Name: LAMINAL</p> <p>IPA name: Subscript square</p> <p>IPA number: 410</p> <p>Unicode name: COMBINING SQUARE BELOW</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 033B</p> <p>TIPA code: \ \textsubsquare{c}</p> <p>AFII code: 23FE</p>                                 |
|  | <p>Name: NASALIZED</p> <p>IPA name: Superscript tilde</p> <p>IPA number: 424</p> <p>Unicode name: COMBINING TILDE</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 0303</p> <p>TIPA code: \ \~v</p> <p>AFII code: E222</p>                                                 |  | <p>Name: NASAL RELEASE</p> <p>IPA name: Superscript N</p> <p>IPA number: 425</p> <p>Unicode name: SUPERSCRIPT LATIN SMALL LETTER N</p> <p>Unicode range: Superscripts and Subscripts</p> <p>Hex value: 207F</p> <p>TIPA code: c\super n</p> <p>AFII code: FDA8</p>                              |
|  | <p>Name: LATERAL RELEASE</p> <p>IPA name: Superscript L</p> <p>IPA number: 426</p> <p>Unicode name: MODIFIER LETTER SMALL L</p> <p>Unicode range: Spacing Modifier Letters</p> <p>Hex value: 02E1</p> <p>TIPA code: c\super l</p> <p>AFII code: FDA3</p>                                      |  | <p>Name: NO AUDIBLE RELEASE</p> <p>IPA name: Corner</p> <p>IPA number: 427</p> <p>Unicode name: COMBINING LEFT ANGLE ABOVE</p> <p>Unicode range: Combining Diacritical Marks</p> <p>Hex value: 031A</p> <p>TIPA code: c\textcorner</p> <p>AFII code: 23F9</p>                                   |

## VOWELS

i

Name: CLOSE FRONT UNROUNDED VOWEL  
IPA name: Lower-case i  
IPA number: 301  
Unicode name: LATIN SMALL LETTER I  
Unicode range: Basic Latin  
Hex value: 0069  
TIPA code: i  
AFII code: E251

I

Name: NEAR-CLOSE NEAR-FRONT UNROUNDED VOWEL  
IPA name: Small capital i  
IPA number: 319  
Unicode name: LATIN LETTER SMALL CAPITAL I  
Unicode range: IPA Extensions  
Hex value: 026A  
TIPA code: I  
AFII code: E254

e

Name: CLOSE-MID FRONT UNROUNDED VOWEL  
IPA name: Lower-case E  
IPA number: 302  
Unicode name: LATIN SMALL LETTER E  
Unicode range: Basic Latin  
Hex value: 0065  
TIPA code: e  
AFII code: E256

ε

Name: OPEN-MID FRONT UNROUNDED VOWEL  
IPA name: Epsilon  
IPA number: 303  
Unicode name: LATIN SMALL LETTER OPEN E  
Unicode range: IPA Extensions  
Hex value: 025B  
TIPA code: E  
AFII code: E258

æ

Name: NEAR-OPEN FRONT UNROUNDED VOWEL  
IPA name: Ash; Lower-case A-E ligature  
IPA number: 325  
Unicode name: LATIN SMALL LETTER AE  
Unicode range: Latin-1 Supplement  
Hex value: 00E6  
TIPA code: \ae  
AFII code: E25A

Œ

Name: OPEN FRONT ROUNDED VOWEL  
IPA name: Small capital O-E ligature  
IPA number: 312  
Unicode name: LATIN LETTER SMALL CAPITAL OE  
Unicode range: IPA Extensions  
Hex value: 0276  
TIPA code: \OE  
AFII code: E25C

ʉ

Name: CLOSE CENTRAL ROUNDED VOWEL  
IPA name: Barred U  
IPA number: 318  
Unicode name: LATIN SMALL LETTER U BAR  
Unicode range: IPA Extensions  
Hex value: 0289  
TIPA code: 0  
AFII code: E25E

y

Name: CLOSE FRONT ROUNDED VOWEL  
IPA name: Lower-case Y  
IPA number: 309  
Unicode name: LATIN SMALL LETTER Y  
Unicode range: Basic Latin  
Hex value: 0079  
TIPA code: y  
AFII code: E252

Y

Name: NEAR-CLOSE NEAR-FRONT ROUNDED VOWEL  
IPA name: Small capital Y  
IPA number: 320  
Unicode name: LATIN LETTER SMALL CAPITAL Y  
Unicode range: IPA Extensions  
Hex value: 028F  
TIPA code: Y  
AFII code: E255

ø

Name: CLOSE-MID FRONT ROUNDED VOWEL  
IPA name: Slashed O  
IPA number: 310  
Unicode name: LATIN SMALL LETTER O W/ STROKE  
Unicode range: Latin-1 Supplement  
Hex value: 00F8  
TIPA code: \o  
AFII code: E257

œ

Name: OPEN-MID FRONT ROUNDED VOWEL  
IPA name: Lower-case O-E ligature  
IPA number: 311  
Unicode name: LATIN SMALL LIGATURE OE  
Unicode range: Latin Extended-A  
Hex value: 0153  
TIPA code: \oe  
AFII code: E259

a

Name: OPEN FRONT UNROUNDED VOWEL  
IPA name: Lower-case A  
IPA number: 304  
Unicode name: LATIN SMALL LETTER A  
Unicode range: Basic Latin  
Hex value: 0061  
TIPA code: a  
AFII code: E25B

ı

Name: CLOSE CENTRAL UNROUNDED VOWEL  
IPA name: Barred i  
IPA number: 317  
Unicode name: LATIN SMALL LETTER I W/ STROKE  
Unicode range: IPA Extensions  
Hex value: 0268  
TIPA code: ı  
AFII code: E25D

ə

Name: CLOSE-MID CENTRAL UNROUNDED VOWEL  
IPA name: Reversed E  
IPA number: 397  
Unicode name: LATIN SMALL LETTER REVERSED E  
Unicode range: IPA Extensions  
Hex value: 0258  
TIPA code: 9  
AFII code: E26E

## VOWELS

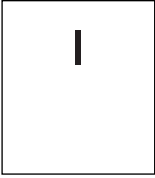
|   |                                                                                                                                                                                                                                    |   |                                                                                                                                                                                                                                                                |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Θ | Name: CLOSE-MID CENTRAL ROUNDED VOWEL<br>IPA name: Barred O<br>IPA number: 323<br>Unicode name: LATIN SMALL LETTER BARRED O<br>Unicode range: IPA Extensions<br>Hex value: 0275<br>TIPA code: 8<br>AFII code: E261                 | ə | Name: MID CENTRAL VOWEL<br>IPA name: Schwa<br>IPA number: 322<br>Unicode name: LATIN SMALL LETTER SCHWA<br>Unicode range: IPA Extensions<br>Hex value: 0259<br>TIPA code: @<br>AFII code: E25F                                                                 |
| Ʒ | Name: OPEN-MID CENTRAL UNROUNDED VOWEL<br>IPA name: Reversed epsilon<br>IPA number: 326<br>Unicode name: LATIN SMALL LETTER REVERSED OPEN E<br>Unicode range: IPA Extensions<br>Hex value: 025C<br>TIPA code: 3<br>AFII code: E262 | Ʌ | Name: OPEN-MID CENTRAL ROUNDED VOWEL<br>IPA name: Closed reversed epsilon<br>IPA number: 395<br>Unicode name: LATIN SMALL LETTER CLOSED REVERSED OPEN E<br>Unicode range: IPA Extensions<br>Hex value: 025E<br>TIPA code: \textcloseepsilon<br>AFII code: E270 |
| ʌ | Name: NEAR-OPEN CENTRAL VOWEL<br>IPA name: Turned A<br>IPA number: 324<br>Unicode name: LATIN SMALL LETTER TURNED A<br>Unicode range: IPA Extensions<br>Hex value: 0250<br>TIPA code: 5<br>AFII code: E263                         | ʍ | Name: CLOSE BACK UNROUNDED VOWEL<br>IPA name: Turned M<br>IPA number: 316<br>Unicode name: LATIN SMALL LETTER TURNED M<br>Unicode range: IPA Extensions<br>Hex value: 026F<br>TIPA code: W<br>AFII code: E264                                                  |
| u | Name: CLOSE BACK ROUNDED VOWEL<br>IPA name: Lower-case U<br>IPA number: 308<br>Unicode name: LATIN SMALL LETTER U<br>Unicode range: Basic Latin<br>Hex value: 0075<br>TIPA code: u<br>AFII code: E265                              | Ϝ | Name: NEAR-CLOSE NEAR-BACK ROUNDED VOWEL<br>IPA name: Upsilon<br>IPA number: 321<br>Unicode name: LATIN SMALL LETTER UPSILON<br>Unicode range: IPA Extensions<br>Hex value: 028A<br>TIPA code: U<br>AFII code: E267                                            |
| ʁ | Name: CLOSE-MID BACK UNROUNDED VOWEL<br>IPA name: Ram's horns<br>IPA number: 315<br>Unicode name: LATIN SMALL LETTER RAMS HORN<br>Unicode range: IPA Extensions<br>Hex value: 0264<br>TIPA code: 7<br>AFII code: E268              | o | Name: CLOSE-MID BACK ROUNDED VOWEL<br>IPA name: Lower-case O<br>IPA number: 307<br>Unicode name: LATIN SMALL LETTER O<br>Unicode range: Basic Latin<br>Hex value: 006F<br>TIPA code: o<br>AFII code: E269                                                      |
| Λ | Name: OPEN-MID BACK UNROUNDED VOWEL<br>IPA name: Turned V<br>IPA number: 314<br>Unicode name: LATIN SMALL LETTER TURNED V<br>Unicode range: IPA Extensions<br>Hex value: 028C<br>TIPA code: 2<br>AFII code: E26A                   | ɔ | Name: OPEN-MID BACK ROUNDED VOWEL<br>IPA name: Open O<br>IPA number: 306<br>Unicode name: LATIN SMALL LETTER OPEN O<br>Unicode range: IPA Extensions<br>Hex value: 0254<br>TIPA code: O<br>AFII code: E26B                                                     |
| ɑ | Name: OPEN BACK UNROUNDED VOWEL<br>IPA name: Script A<br>IPA number: 305<br>Unicode name: LATIN SMALL LETTER ALPHA<br>Unicode range: IPA Extensions<br>Hex value: 0251<br>TIPA code: A<br>AFII code: E26C                          | ɒ | Name: OPEN BACK ROUNDED VOWEL<br>IPA name: Turned script A<br>IPA number: 313<br>Unicode name: LATIN SMALL LETTER TURNED ALPHA<br>Unicode range: IPA Extensions<br>Hex value: 0252<br>TIPA code: 6<br>AFII code: E26D                                          |

# VOWELS

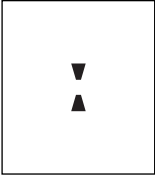


Name: R-COLOURED MID CENTRAL VOWEL  
IPA name: Right-hook schwa  
IPA number: 327  
Unicode name: LATIN SMALL LETTER SCHWA W/ HOOK  
Unicode range: IPA Extensions  
Hex value: 025A  
TIPA code: N/A  
AFII code: E260

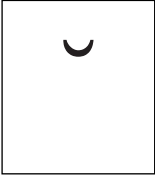
# SUPRASEGMENTALS



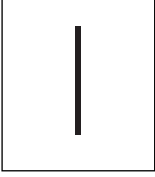
Name: PRIMARY STRESS  
IPA name: Vertical stroke (superior)  
IPA number: 501  
Unicode name: MODIFIER LETTER VERTICAL LINE  
Unicode range: Spacing Modifier Letters  
Hex value: 02C8  
TIPA code: "  
AFII code: E23E



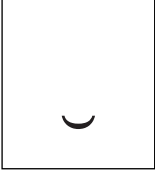
Name: LONG  
IPA name: Length mark  
IPA number: 503  
Unicode name: MODIFIER LETTER TRIANGULAR COLON  
Unicode range: Spacing Modifier Letters  
Hex value: 02D0  
TIPA code: v;  
AFII code: E23A



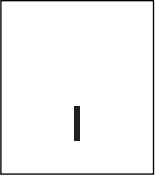
Name: EXTRA-SHORT  
IPA name: Breve  
IPA number: 505  
Unicode name: COMBINING BREVE  
Unicode range: Combining Diacritical Marks  
Hex value: 0306  
TIPA code: \u{v}  
AFII code: E223



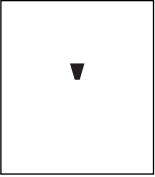
Name: MINOR (FOOT) GROUP  
IPA name: Vertical line (thick)  
IPA number: 507  
Unicode name: VERTICAL LINE  
Unicode range: Basic Latin  
Hex value: 007C  
TIPA code: \textvertline  
AFII code: 007C



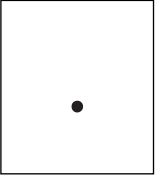
Name: LINKING (ABSENCE OF A BREAK)  
IPA name: Bottom tie bar  
IPA number: 509  
Unicode name: UNDERTIE  
Unicode range: General Punctuation  
Hex value: 203F  
TIPA code: \t\*{vv}  
AFII code: 230F



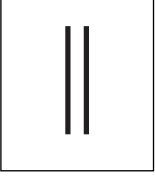
Name: SECONDARY STRESS  
IPA name: Vertical stroke (inferior)  
IPA number: 502  
Unicode name: MODIFIER LETTER LOW VERTICAL LINE  
Unicode range: Spacing Modifier Letters  
Hex value: 02CC  
TIPA code: ""  
AFII code: E23F



Name: HALF-LONG  
IPA name: Half-length mark  
IPA number: 504  
Unicode name: MODIFIER LETTER HALF TRIANGULAR COLON  
Unicode range: Spacing Modifier Letters  
Hex value: 02D1  
TIPA code: v;  
AFII code: E23B

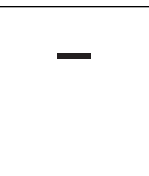
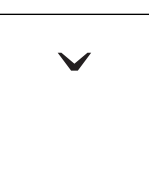


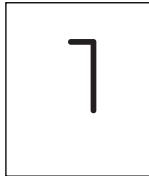
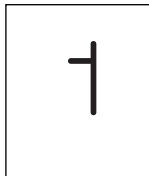
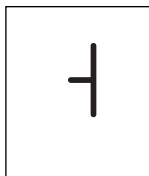
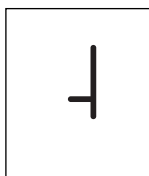
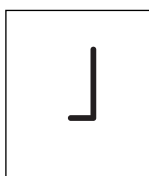
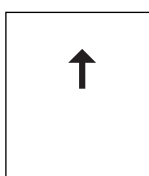
Name: SYLLABLE BREAK  
IPA name: Period  
IPA number: 506  
Unicode name: FULL STOP  
Unicode range: Basic Latin  
Hex value: 002E  
TIPA code: .  
AFII code: 002E



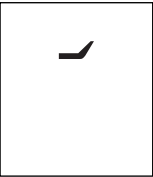
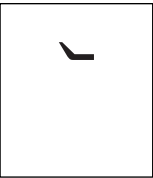
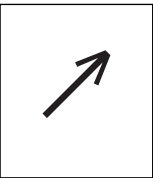
Name: MAJOR (INTONATION) GROUP  
IPA name: Double vertical line (thick)  
IPA number: 508  
Unicode name: DOUBLE VERTICAL LINE  
Unicode range: General Punctuation  
Hex value: 2016  
TIPA code: \textdoublevertline  
AFII code: 2142

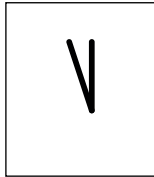
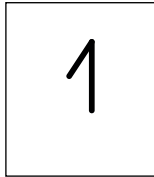
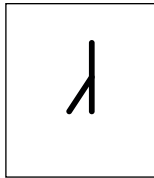
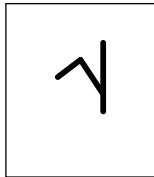
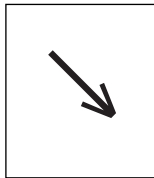
## TONES AND WORD ACCENTS

|                                                                                    |                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Name: EXTRA HIGH LEVEL TONE (ACCENT MARK)<br>IPA name: Double acute accent (over)<br>IPA number: 512<br>Unicode name: COMBINING DOUBLE ACUTE ACCENT<br>Unicode range: Combining Diacritical Marks<br>Hex value: 030B<br>TIPA code: \H{v}<br>AFII code: 00CD |
|    | Name: HIGH LEVEL TONE (ACCENT MARK)<br>IPA name: Acute accent (over)<br>IPA number: 513<br>Unicode name: COMBINING ACUTE ACCENT<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0301<br>TIPA code: \v<br>AFII code: 00C2                        |
|    | Name: MID LEVEL TONE (ACCENT MARK)<br>IPA name: Macron<br>IPA number: 514<br>Unicode name: COMBINING MACRON<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0304<br>TIPA code: \=v<br>AFII code: 00C5                                           |
|    | Name: LOW LEVEL TONE (ACCENT MARK)<br>IPA name: Grave accent (over)<br>IPA number: 515<br>Unicode name: COMBINING GRAVE ACCENT<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0300<br>TIPA code: \v<br>AFII code: 00C1                         |
|   | Name: EXTRA LOW LEVEL TONE (ACCENT MARK)<br>IPA name: Double grave accent (over)<br>IPA number: 516<br>Unicode name: COMBINING DOUBLE GRAVE ACCENT<br>Unicode range: Combining Diacritical Marks<br>Hex value: 030F<br>TIPA code: \H*v<br>AFII code: 23E2   |
|  | Name: DOWNSTEP<br>IPA name: Down arrow<br>IPA number: 517<br>Unicode name: MODIFIER LETTER RAISED DOWN ARROW<br>Unicode range: Modifier Tone Letters<br>Hex value: A71C<br>TIPA code: \textdownstep<br>AFII code: EEAF                                      |
|  | Name: RISING CONTOUR TONE (ACCENT MARK)<br>IPA name: Wedge; háček<br>IPA number: 524<br>Unicode name: COMBINING CARON<br>Unicode range: Combining Diacritical Marks<br>Hex value: 030C<br>TIPA code: \v{v}<br>AFII code: 00CF                               |

|                                                                                       |                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Name: EXTRA HIGH LEVEL TONE (CHAO LETTER)<br>IPA name: Extra-high tone letter<br>IPA number: 519<br>Unicode name: MODIFIER LETTER EXTRA-HIGH TONE BAR<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E5<br>TIPA code: \tone{55}v<br>AFII code: E28D |
|    | Name: HIGH LEVEL TONE (CHAO LETTER)<br>IPA name: High tone letter<br>IPA number: 520<br>Unicode name: MODIFIER LETTER HIGH TONE BAR<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E6<br>TIPA code: \tone{44}v<br>AFII code: E28E                   |
|    | Name: MID LEVEL TONE (CHAO LETTER)<br>IPA name: Mid tone letter<br>IPA number: 521<br>Unicode name: MODIFIER LETTER MID TONE BAR<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E7<br>TIPA code: \tone{33}v<br>AFII code: E28F                      |
|    | Name: LOW LEVEL TONE (CHAO LETTER)<br>IPA name: Low tone letter<br>IPA number: 522<br>Unicode name: MODIFIER LETTER LOW TONE BAR<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E8<br>TIPA code: \tone{22}v<br>AFII code: E29F                      |
|   | Name: EXTRA LOW LEVEL TONE (CHAO LETTER)<br>IPA name: Extra-low tone letter<br>IPA number: 523<br>Unicode name: MODIFIER LETTER EXTRA-LOW TONE BAR<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E9<br>TIPA code: \tone{11}v<br>AFII code: E29E    |
|  | Name: UPSTEP<br>IPA name: Up arrow<br>IPA number: 518<br>Unicode name: MODIFIER LETTER RAISED UP ARROW<br>Unicode range: Modifier Tone Letters<br>Hex value: A71B<br>TIPA code: \textupstep<br>AFII code: EEAD                                                  |
|  | Name: RISING CONTOUR TONE (CHAO LETTER)<br>IPA name: Rising tone letter<br>IPA number: 529<br>Unicode name: N/A<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E9 + 02E5<br>TIPA code: \tone{15}v<br>AFII code: E299                                |

## TONES AND WORD ACCENTS

|                                                                                   |                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Name: FALLING CONTOUR TONE (ACCENT MARK)<br>IPA name: Circumflex<br>IPA number: 525<br>Unicode name: COMBINING CIRCUMFLEX ACCENT<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0302<br>TIPA code: ˇv<br>AFII code: 00C3                                      |
|   | Name: HIGH RISING CONTOUR TONE (ACCENT MARK)<br>IPA name: Macron + acute accent<br>IPA number: 526<br>Unicode name: COMBINING MACRON-ACUTE<br>Unicode range: Combining Diacritical Marks Supplement<br>Hex value: 1DC4<br>TIPA code: N/A<br>AFII code: E296                |
|   | Name: LOW RISING CONTOUR TONE (ACCENT MARK)<br>IPA name: Grave accent + macron<br>IPA number: 527<br>Unicode name: COMBINING GRAVE-MACRON<br>Unicode range: Combining Diacritical Marks Supplement<br>Hex value: 1DC5<br>TIPA code: N/A<br>AFII code: E297                 |
|   | Name: RISING-FALLING CONTOUR TONE (ACCENT MARK)<br>IPA name: Grave + acute + grave accent<br>IPA number: 528<br>Unicode name: COMBINING GRAVE-ACUTE-GRAVE<br>Unicode range: Combining Diacritical Marks Supplement<br>Hex value: 1DC8<br>TIPA code: N/A<br>AFII code: E298 |
|  | Name: GLOBAL RISE<br>IPA name: Upward diagonal arrow<br>IPA number: 510<br>Unicode name: NORTH EAST ARROW<br>Unicode range: Arrows<br>Hex value: 2197<br>TIPA code: \textglobrise<br>AFII code: EF3E                                                                       |

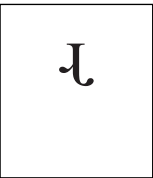
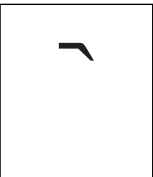
|                                                                                      |                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Name: FALLING CONTOUR TONE (CHAO LETTER)<br>IPA name: Falling tone letter<br>IPA number: 530<br>Unicode name: N/A<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E5 + 02E9<br>TIPA code: \tone{51}v<br>AFII code: E29A                       |
|   | Name: HIGH RISING CONTOUR TONE (CHAO LETTER)<br>IPA name: High-rising tone letter<br>IPA number: 531<br>Unicode name: N/A<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E7 + 02E5<br>TIPA code: \tone{45}v<br>AFII code: E29B               |
|   | Name: LOW RISING CONTOUR TONE (CHAO LETTER)<br>IPA name: Low-rising tone letter<br>IPA number: 532<br>Unicode name: N/A<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E9 + 02E7<br>TIPA code: \tone{12}v<br>AFII code: E29C                 |
|   | Name: RISING-FALLING CONTOUR TONE (CHAO LETTER)<br>IPA name: Rising-falling tone letter<br>IPA number: 533<br>Unicode name: N/A<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E7 + 02E6 + 02E8<br>TIPA code: \tone{454}v<br>AFII code: E29D |
|  | Name: GLOBAL FALL<br>IPA name: Downward diagonal arrow<br>IPA number: 511<br>Unicode name: SOUTH EAST ARROW<br>Unicode range: Arrows<br>Hex value: 2198<br>TIPA code: \textglobfall<br>AFII code: EF3D                                                   |

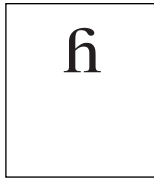
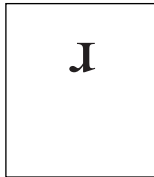
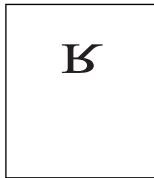
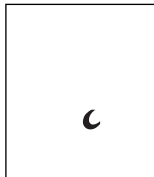
## ADDITIONAL SYMBOLS

|                                                                                    |                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Name: VOICELESS DENTAL/ALVEOLAR AFFRICATE<br>IPA name: T-S ligature (superseded by 103 + 132)<br>IPA number: 211<br>Unicode name: LATIN SMALL LETTER TS DIGRAPH<br>Unicode range: IPA Extensions<br>Hex value: 02A6<br>TIPA code: N/A<br>AFII code: E2FC |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

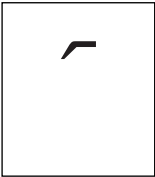
|                                                                                       |                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Name: VOICED ALVEOLAR AFFRICATE<br>IPA name: D-Z ligature (superseded by 104 + 133)<br>IPA number: 212<br>Unicode name: LATIN SMALL LETTER DZ DIGRAPH<br>Unicode range: IPA Extensions<br>Hex value: 02A3<br>TIPA code: N/A<br>AFII code: E2F9 |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## ADDITIONAL SYMBOLS

|                                                                                    |                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Name: VOICELESS POSTALVEOLAR AFFRICATE<br>IPA name: T-Esh ligature (superseded by 103 + 134)<br>IPA number: 213<br>Unicode name: LATIN SMALL LETTER TESH DIGRAPH<br>Unicode range: IPA Extensions<br>Hex value: 02A7<br>TIPA code: N/A<br>AFII code: E2FD                   |
|    | Name: VOICELESS ALVEOLO-PALATAL AFFRICATE<br>IPA name: T-Curly-tail-C ligature (superseded by 103 + 182)<br>IPA number: 215<br>Unicode name: LATIN SMALL LETTER TC DIGRAPH W/ CURL<br>Unicode range: IPA Extensions<br>Hex value: 02A8<br>TIPA code: N/A<br>AFII code: E2FE |
|    | Name: R-COLOURED OPEN-MID CENTRAL VOWEL<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: LATIN SMALL LETTER REVERSED OPEN E W/ HOOK<br>Unicode range: IPA Extensions<br>Hex value: 025D<br>TIPA code: N/A<br>AFII code: N/A                                             |
|    | Name: DIACRITIC ALVEOLAR TRILL<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: MODIFIER LETTER SMALL R<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02B3<br>TIPA code: N/A<br>AFII code: N/A                                                               |
|   | Name: DIACRITIC RETROFLEX APPROXIMANT<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: MODIFIER LETTER SMALL TURNED R W/ HOOK<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02B5<br>TIPA code: N/A<br>AFII code: N/A                                         |
|  | Name: DIACRITIC GLOTTAL STOP<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: MODIFIER LETTER GLOTTAL STOP<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02C0<br>TIPA code: N/A<br>AFII code: N/A                                                            |
|  | Name: MID-LOW FALLING CONTOUR TONE (ACCENT MARK)<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: COMBINING MACRON-GRAVE<br>Unicode range: Combining Diacritical Marks Supplement<br>Hex value: 1DC6<br>TIPA code: N/A<br>AFII code: N/A                                |

|                                                                                       |                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Name: VOICED POSTALVEOLAR AFFRICATE<br>IPA name: D-Ezh ligature (superseded by 104 + 135)<br>IPA number: 214<br>Unicode name: LATIN SMALL LETTER DEZH DIGRAPH<br>Unicode range: IPA Extensions<br>Hex value: 02A4<br>TIPA code: N/A<br>AFII code: E2FA                   |
|    | Name: VOICED ALVEOLO-PALATAL AFFRICATE<br>IPA name: D-Curly-tail-Z ligature (superseded by 104 + 183)<br>IPA number: 216<br>Unicode name: LATIN SMALL LETTER DZ DIGRAPH W/ CURL<br>Unicode range: IPA Extensions<br>Hex value: 02A5<br>TIPA code: N/A<br>AFII code: E2FB |
|    | Name: DIACRITIC VOICED GLOTTAL FRICATIVE<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: MODIFIER LETTER SMALL H W/ HOOK<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02B1<br>TIPA code: N/A<br>AFII code: N/A                                          |
|    | Name: DIACRITIC ALVEOLAR APPROXIMANT<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: MODIFIER LETTER SMALL TURNED R<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02B4<br>TIPA code: N/A<br>AFII code: N/A                                               |
|   | Name: DIACRITIC UVULAR APPROXIMANT<br>IPA name: Superscript inverted small capital R<br>IPA number: 676<br>Unicode name: MODIFIER LETTER SMALL CAPITAL INVERTED R<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02B6<br>TIPA code: N/A<br>AFII code: N/A      |
|  | Name: DIACRITIC RETROFLEXION<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: COMBINING RETROFLEX HOOK BELOW<br>Unicode range: Combining Diacritical Marks<br>Hex value: 0322<br>TIPA code: N/A<br>AFII code: E228                                                   |
|  | Name: MID-LOW FALLING CONTOUR TONE (CHAO LETTER)<br>IPA name: N/A<br>IPA number: N/A<br>Unicode name: N/A<br>Unicode range: Spacing Modifier Letters<br>Hex value: 02E7 + 02E9<br>TIPA code: N/A<br>AFII code: N/A                                                       |

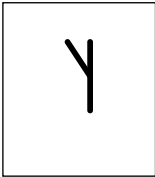
ADDITIONAL SYMBOLS



Name: HIGH-MID FALLING CONTOUR TONE (ACCENT MARK)  
IPA name: N/A  
IPA number: N/A  
Unicode name: COMBINING ACUTE-MACRON  
Unicode range: Combining Diacritical Marks Supplement  
Hex value: 1DC7  
TIPA code: N/A  
AFII code: N/A



Name: FALLING-RISING CONTOUR TONE (ACCENT MARK)  
IPA name: N/A  
IPA number: N/A  
Unicode name: COMBINING ACUTE-GRAVE-ACUTE  
Unicode range: Combining Diacritical Marks Supplement  
Hex value: 1DC9  
TIPA code: N/A  
AFII code: N/A



Name: HIGH-MID FALLING CONTOUR TONE (CHAO LETTER)  
IPA name: N/A  
IPA number: N/A  
Unicode name: N/A  
Unicode range: Spacing Modifier Letters  
Hex value: 02E5 + 02E7  
TIPA code: N/A  
AFII code: N/A



Name: FALLING-RISING CONTOUR TONE (CHAO LETTER)  
IPA name: N/A  
IPA number: N/A  
Unicode name: N/A  
Unicode range: Spacing Modifier Letters  
Hex value: 02E7 + 02E8 + 02E6  
TIPA code: N/A  
AFII code: N/A