THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

CONSONANTS (PULMONIC)

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CONSOLVENTS (LOUMONIC)																						
	Bilabial		Labio	Labiodental		Dental Alveolar		Postalveolar Ret		Retr	Retroflex Palatal		Velar		Uvular		Pharyngeal		Glottal			
Plosive	р	b					t	d			t	q	С	ţ	k	g	q	G			7	
Nasal		m		m				n				η		ŋ		ŋ		N				
Trill		В						r										R				
Tap or Flap				٧				٢				ľ										
Fricative	ф	β	f	٧	θ	ð	S	Z	ſ	3	Ş	Z	Ç	j	X	γ	χ	R	ħ	٢	h	ĥ
Lateral fricative							¢.	ß														
Approximant				υ				J				1		j		щ						
Lateral approximant								I				ĺ		λ		L						

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

VOWELS

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
O Bilabial	6 Bilabial	Examples:
Dental	d Dental/alveolar	p' Bilabial
! (Post)alveolar	f Palatal	t' Dental/alveolar
+ Palatoalveolar	g Velar	k' Velar
Alveolar lateral	d Uvular	S' Alveolar fricative

Close Front Central Back Close $i \bullet y \longrightarrow i \bullet U \longrightarrow U$ Close-mid $e \bullet \emptyset \longrightarrow 9 \bullet \Theta \longrightarrow Y \bullet O$ Open-mid $\epsilon \bullet \emptyset \longrightarrow 3 \bullet G \longrightarrow \Lambda \bullet O$

OTHER SYMBOLS

M Voiceless labial-velar fricative

Alveolo-palatal fricatives

Voiced alveolar lateral flap

W Voiced labial-velar approximantU Voiced labial-palatal approximant

Simultaneous \int and X

H Voiceless epiglottal fricative

\$ Voiced epiglottal fricative

? Epiglottal plosive

Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.



Open

DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. $\mathring{\mathbf{n}}$

Voiceless	ů ď	Breathy voiced b a Dental
Voiced	ş ţ	Creaky voiced b a Apical t d
h Aspirated	th dh	Linguolabial t d Laminal t d
More rounded	Ş	$^{\text{W}}$ Labialized $\qquad \qquad \qquad \stackrel{\text{T}}{e} \qquad \qquad \stackrel{\text{Rasalized}}{e} \qquad \qquad \stackrel{\tilde{e}}{e} \qquad \qquad \qquad \stackrel{\tilde{e}}{e} \qquad \qquad \qquad \qquad \stackrel{\tilde{e}}{e} \qquad $
Less rounded	Ş	j Palatalized t^j d^j n Nasal release d^n
Advanced	ų	$^{\gamma}$ Velarized t^{γ} d^{γ} Lateral release d^{\dagger}
_ Retracted	ē	$^{\circ}$ Pharyngealized \mathbf{t}° \mathbf{d}° $^{\circ}$ No audible release \mathbf{d}°
Centralized	ë	~ Velarized or pharyngealized +
× Mid-centralized	ě	Raised $e \cdot 1 = voiced$ alveolar fricative)
Syllabic	ņ	Lowered $e \in \beta = voiced bilabial approximant)$
Non-syllabic	ĕ	Advanced Tongue Root e
• Rhoticity	ar ar	Retracted Tongue Root

SUPRASEGMENTALS

Where symbols appear in pairs, the one to the right represents a rounded vowel.

ı	Primary stress found tijen							
ı	Secondary stress							
X	Long e :							
•	Half-long € •							
U	Extra-short ĕ							
	Minor (foot) group							
ĺ	Major (intonation) group							
	Syllable breaki.ækt							
	Linking (absence of a break)							

a • b

TONES AND WORD ACCENTS LEVEL CONTOUR

ű	or T Extra	ĕ or ∕ Rising
é	High	ê V Falling
ē	- Mid	é 1 High rising
è	Low	è √ Low rising
ë	Lextra low	ề A Rising-falling
\downarrow	Downstep	Global rise
\uparrow	Upstep	Global fall