

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

CONSONANTS (PULMONIC)

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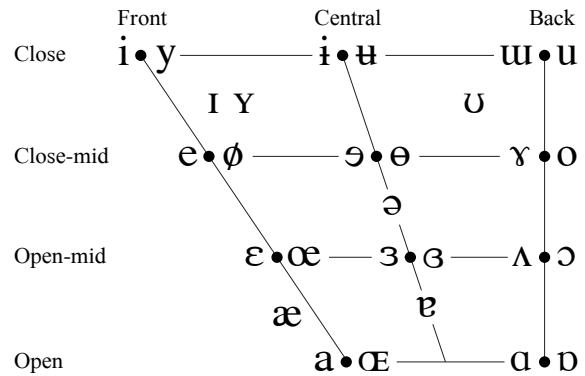
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		ʋ		ɹ		ɻ	j	ɰ			
Lateral approximant				l		ɭ	ʎ	ʟ			

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

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
ɸ Bilabial	ɓ Bilabial	' Examples:
ǀ Dental	ɗ Dental/alveolar	p' Bilabial
ǃ (Post)alveolar	ɟ Palatal	t' Dental/alveolar
ǂ Palatoalveolar	ɡ Velar	k' Velar
ǁ Alveolar lateral	ɠ Uvular	s' Alveolar fricative

VOWELS



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

OTHER SYMBOLS

- ɱ** Voiceless labial-velar fricative
- ɮ** Voiced labial-velar approximant
- ɰ** Voiced labial-palatal approximant
- ħ** Voiceless epiglottal fricative
- ʕ** Voiced epiglottal fricative
- ʡ** Epiglottal plosive
- ɕ ʑ** Alveolo-palatal fricatives
- ɻ** Voiced alveolar lateral flap
- ɥ** Simultaneous **ɶ** and **x**
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

ts̺ kp̺

SUPRASEGMENTALS

- ˈ** Primary stress **ˈfounəˈtʃən**
- ˌ** Secondary stress
- ː** Long **eː**
- ˑ** Half-long **eˑ**
- ˚** Extra-short **e˚**
- ˌ** Minor (foot) group
- ˎ** Major (intonation) group
- Syllable break **ˌi.ækt**
- ˘** Linking (absence of a break)

DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. **ɲ̥̄**

◌̥ Voiceless	◌̤ Breathy voiced	◌̦ Dental
◌̇ Voiced	◌̨ Creaky voiced	◌̩ Apical
◌̈ Aspirated	◌̪ Linguolabial	◌̬ Laminal
◌̋ More rounded	◌̫ Labialized	◌̭ Nasalized
◌̌ Less rounded	◌̮ Palatalized	◌̯ Nasal release
◌̍ Advanced	◌̰ Velarized	◌̱ Lateral release
◌̎ Retracted	◌̲ Pharyngealized	◌̳ No audible release
◌̏ Centralized	◌̴ Velarized or pharyngealized	
◌̐ Mid-centralized	◌̵ Raised	
◌̑ Syllabic	◌̶ Lowered	
◌̒ Non-syllabic	◌̷ Advanced Tongue Root	
◌̓ Rhoticity	◌̸ Retracted Tongue Root	

TONES AND WORD ACCENTS

- | LEVEL | CONTOUR |
|---------------------------------|----------------------------------|
| ē or ᷈ Extra high | ě or ᷉ Rising |
| é ᷊ High | ê ᷋ Falling |
| ē ᷌ Mid | ē ᷍ High rising |
| è ᷎ Low | ě ᷏ Low rising |
| ě ᷐ Extra low | ě ᷑ Rising-falling |
| ↓ Downstep | ↗ Global rise |
| ↑ Upstep | ↘ Global fall |