

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

CONSONANTS (PULMONIC)

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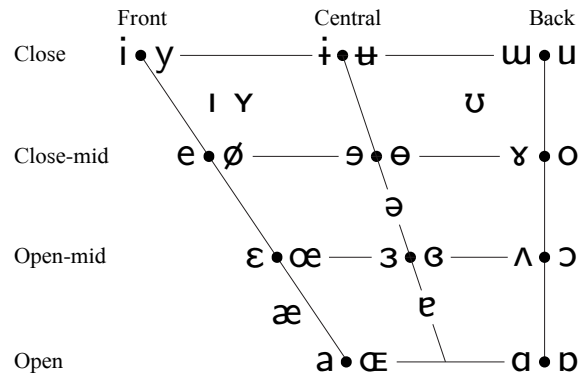
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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
⦿ Bilabial	ɓ Bilabial	ʼ Examples:
ǀ Dental	ɗ Dental/alveolar	pʼ Bilabial
ǃ (Post)alveolar	f Palatal	tʼ Dental/alveolar
ǂ Palatoalveolar	ɡ Velar	kʼ Velar
ǁ Alveolar lateral	ɠ Uvular	sʼ Alveolar fricative

VOWELS



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

OTHER SYMBOLS

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

ts̺ k̠

SUPRASEGMENTALS

- ˈ Primary stress
- ˌ Secondary stress
- ː Long
- ˑ Half-long
- ˚ Extra-short
- ◌| Minor (foot) group
- ◌|| Major (intonation) group
- ◌. Syllable break
- ◌◌ Linking (absence of a break)

DIACRITICS

Some diacritics may be placed above a symbol with a descender, e.g. ɯ̯

◌̥ 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 |
|---------|------------------|
| é or ɛ̥ | ↗ Extra high |
| é | ↘ High |
| ē | ↕ Mid |
| è | ↙ Low |
| è̥ | ↘ Extra low |
| ↓ | Downstep |
| ↑ | Upstep |
| ě or ɛ̃ | ↗ Rising |
| ê | ↘ Falling |
| ē | ↗ High rising |
| ē̃ | ↘ Low rising |
| ě̃ | ↗ Rising-falling |
| ↗ | Global rise |
| ↘ | Global fall |