

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

CONSONANTS (PULMONIC)

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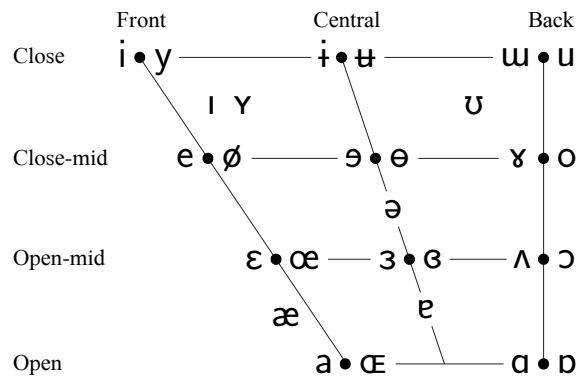
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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
◌ ɕ Bilabial	ɓ Bilabial	ʼ Examples:
◌ ɠ Dental	ɗ Dental/alveolar	ɓ' Bilabial
◌ ǀ (Post)alveolar	ɟ Palatal	ɗ' Dental/alveolar
◌ ǃ Palatoalveolar	ɡ Velar	ɠ' Velar
◌ ǁ Alveolar lateral	ɠ Uvular	ǀ' Alveolar fricative

VOWELS



OTHER SYMBOLS

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

ts̺ k̟

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

- ˥ or ˩ Extra high
- ˦ High
- ˧ Mid
- ˨ Low
- ˩ Extra low
- ˩̄ Downstep
- ˩̆ Upstep
- ˨̆ or ˩̆ Rising
- ˨̇ Falling
- ˩̈ High rising
- ˩̊ Low rising
- ˩̋ Rising-falling
- ↗ Global rise
- ↘ Global fall