

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

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.

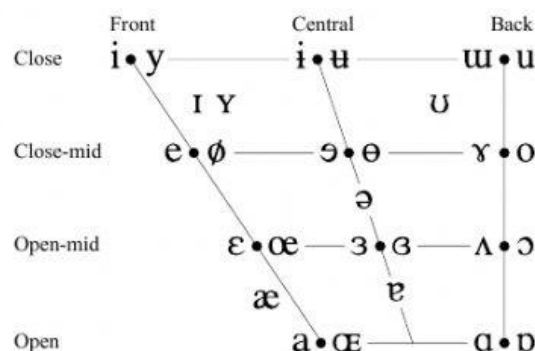
CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
◌ ɸ Bilabial	ɓ Bilabial	ʼ Examples:
Dental	ɗ Dental/alveolar	pʼ Bilabial
! (Post)alveolar	ɟ Palatal	tʼ Dental/alveolar
≠ Palatoalveolar	ɡ Velar	kʼ Velar
Alveolar lateral	ɠ Uvular	sʼ Alveolar fricative

OTHER SYMBOLS

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

VOWELS



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

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)	

TONES AND WORD ACCENTS

LEVEL	CONTOUR
ẽ or ˥ Extra high	ẽ or ˨ Rising
é or ˦ High	ê or ˩ Falling
ē or ˧ Mid	ẽ or ˨ High rising
è or ˧ Low	ẽ or ˨ Low rising
ẽ or ˧ Extra low	ẽ or ˨ Rising-falling
↓ Downstep	↗ Global rise
↑ Upstep	↘ Global fall

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

◌̥ Voiceless	◌̤ Breathy voiced	◌̦ Dental
◌̣ Voiced	◌̧ Creaky voiced	◌̨ Apical
◌̥ Aspirated	◌̦ Linguolabial	◌̨ Laminar
◌̤ 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	