

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

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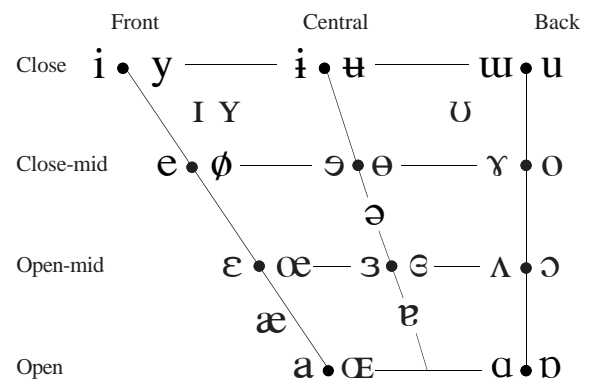
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

Where symbols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
ʘ Bilabial	ɓ Bilabial	ʼ Examples:
ǀ Dental	ɗ Dental/alveolar	pʼ Bilabial
ǃ (Post)alveolar	ɟ 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	ç ʝ Alveolo-palatal fricatives
ɰ Voiced labial-velar approximant	ɻ Voiced alveolar lateral flap
ɥ Voiced labial-palatal approximant	ɥ Simultaneous ɥ 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	

kp ts

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

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

SUPRASEGMENTALS

ˈ Primary stress	ˌ Secondary stress
ː Long	ˑ Extra-short
ˑ Half-long	˒ Minor (foot) group
˒ Extra-short	˓ Major (intonation) group
˓ Syllable break	˔ Linking (absence of a break)

TONES AND WORD ACCENTS

LEVEL	CONTOUR
˥ Extra high	˩ Rising
˨ High	˨ Falling
˩ Mid	˩ High rising
˩ Low	˩ Low rising
˩ Extra low	˩ Rising-falling
˩ Downstep	˩ Global rise
˩ Upstep	˩ Global fall