

THE INTERNATIONAL PHONETIC ALPHABET (revised to 1993, updated 1996)

CONSONANTS (PULMONIC)

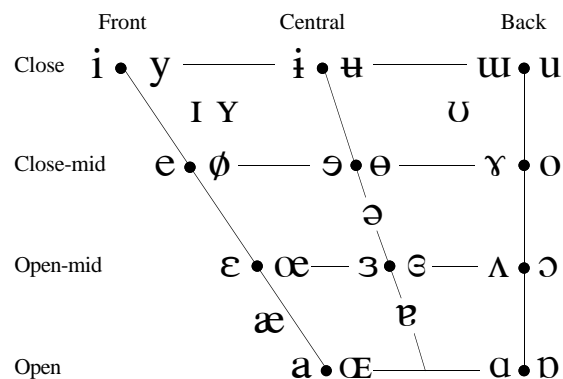
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			ʀ					ʀ		
Tap or Flap				ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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	ɓ' Bilabial
◌ ǃ (Post)alveolar	ɟ Palatal	ɗ' Dental/alveolar
◌ ǃ̥ Palatoalveolar	ɡ Velar	ɡ' Velar
◌ ǃ̥̥̥ Alveolar lateral	ɠ Uvular	ɠ' 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 ʒ	Alveolo-palatal fricatives
w	Voiced labial-velar approximant	ɺ	Alveolar lateral flap
ɥ	Voiced labial-palatal approximant	ɥ̟	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.
ʔ	Epiglottal plosive		

kp̟ ts̟

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

◌ [◌]	Voiceless	◌̥ ◌̜	◌̤	Breathy voiced	◌̤ ◌̚	◌̦	Dental	◌̦ ◌̧
◌̣	Voiced	◌̣ ◌̤	◌̥	Creaky voiced	◌̥ ◌̚	◌̦	Apical	◌̦ ◌̧
◌̨	Aspirated	◌̨ ◌̩	◌̥	Linguolabial	◌̥ ◌̚	◌̦	Laminal	◌̦ ◌̧
◌̙	More rounded	◌̙	◌̚	Labialized	◌̚ ◌̚	◌̦	Nasalized	◌̦
◌̘	Less rounded	◌̘	◌̚	Palatalized	◌̚ ◌̚	◌̦	Nasal release	◌̦ ⁿ
◌̙	Advanced	◌̙	◌̚	Velarized	◌̚ ◌̚	◌̦	Lateral release	◌̦ ^l
◌̘	Retracted	◌̘	◌̚	Pharyngealized	◌̚ ◌̚	◌̦	No audible release	◌̦ [̚]
◌̙	Centralized	◌̙	◌̚	Velarized or pharyngealized	◌̚			
◌̙	Mid-centralized	◌̙	◌̚	Raised	◌̚ (ɹ̥ = voiced alveolar fricative)			
◌̙	Syllabic	◌̙	◌̚	Lowered	◌̚ (β̥ = voiced bilabial approximant)			
◌̙	Non-syllabic	◌̙	◌̚	Advanced Tongue Root	◌̚			
◌̙	Rhoticity	◌̙ ◌̚	◌̚	Retracted Tongue Root	◌̚			

SUPRASEGMENTALS

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

TONES AND WORD ACCENTS

LEVEL	CONTOUR		
é̥ or ˥	˥ Extra high	e or ˥	˥ Rising
é	˥ High	˥	˥ Falling
ē	˥ Mid	˥	˥ High rising
è	˥ Low	˥	˥ Low rising
è̥	˥ Extra low	˥	˥ Rising-falling
˥	Downstep	˥	˥ Global rise
˥	Upstep	˥	˥ Global fall