

THE INTERNATIONAL PHONETIC ALPHABET (revised to 1993)

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.

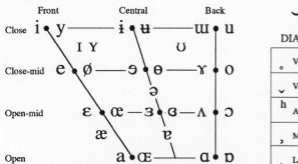
CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives		Ejectives
◌ ɘ	ɓ	ɗ	ʼ as in:
	ɗ	ɗ	p' Bilabial
!	ɟ	ɟ	t' Dental/alveolar
ɰ	ɠ	ɠ	k' Velar
	ɠ	ɠ	s' Alveolar fricative

SUPRASEGMENTALS

	TONES & WORD ACCENTS
	LEVEL CONTOUR
ˈ Primary stress	ˈ founəˈtɪʃən
ˌ Secondary stress	ˌ eɪ
ː Long	eː
ˑ Half-long	eˑ
ˑ Extra-short	e̞
ˑ Syllable break	i.ækt
ˑ Minor (foot) group	e̞
ˑ Major (intonation) group	e̞
ˑ Linking (absence of a break)	e̞
	↘ Extra high
	↘ High
	↘ Mid
	↘ Low
	↘ Extra low
	↘ Downstep
	↘ Upstep
	↘ Rising
	↘ Falling
	↘ High rising
	↘ Low rising
	↘ Rising-falling etc.
	↘ Global rise
	↘ Global fall

VOWELS



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

OTHER SYMBOLS

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

kp ts

DIACRITICS

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

◌ ˠ	Voiceless	◌ ˡ	Breathy voiced	◌ ˤ	Dental	◌ ˥	Apical
◌ ˦	Voiced	◌ ˧	Creaky voiced	◌ ˨	Linguolabial	◌ ˩	Laminal
◌ ˪	Aspirated	◌ ˫	More rounded	◌ ˬ	Labialized	◌ ˭	Nasalized
◌ ˮ	Less rounded	◌ ˯	Palatalized	◌ ˰	Velarized	◌ ˱	Nasal release
◌ ˲	Advanced	◌ ˳	Pharyngealized	◌ ˴	Retracted	◌ ˵	No audible release
◌ ˶	Centralized	◌ ˷	Velarized or pharyngealized	◌ ˸	Centralized	◌ ˹	Velarized or pharyngealized
◌ ˺	Mid-centralized	◌ ˻	Raised	◌ ˼	Lowered	◌ ˽	Advanced Tongue Root
◌ ˾	Non-syllabic	◌ ˿	Advanced Tongue Root	◌ ˿	Retracted Tongue Root	◌ ˿	Retracted Tongue Root
◌ ˿	Rhoticity	◌ ˿	Retracted Tongue Root	◌ ˿	Retracted Tongue Root	◌ ˿	Retracted Tongue Root