

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

CONSONANTS (PULMONIC)

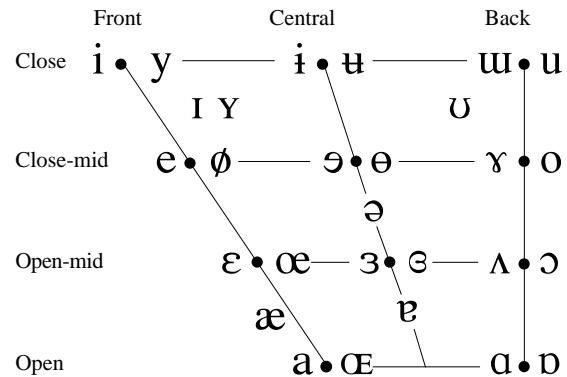
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			ʀ					ʀ		
Tap or Flap				ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

kp̥ ts̥

SUPRASEGMENTALS

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

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

◌̥	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	◌̥	(ɹ̥ = voiced alveolar fricative)
◌̥	Syllabic	◌̥	Lowered	◌̥	(β̥ = voiced bilabial approximant)
◌̥	Non-syllabic	◌̥	Advanced Tongue Root	◌̥	
◌̥	Rhoticity	◌̥	Retracted Tongue Root	◌̥	

TONES AND WORD ACCENTS

LEVEL	CONTOUR
é̥ or ɛ̥	↗ Extra high
é̥	↘ High
ē̥	↔ Mid
è̥	↘ Low
è̥̥	↘ Extra low
↓	Downstep
↑	Upstep
é̥ or ɛ̥	↗ Rising
è̥	↘ Falling
é̥̥	↗ High rising
è̥̥	↘ Low rising
é̥̥̥	↗ Rising-falling
↗	Global rise
↘	Global fall