

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

CONSONANTS (PULMONIC)

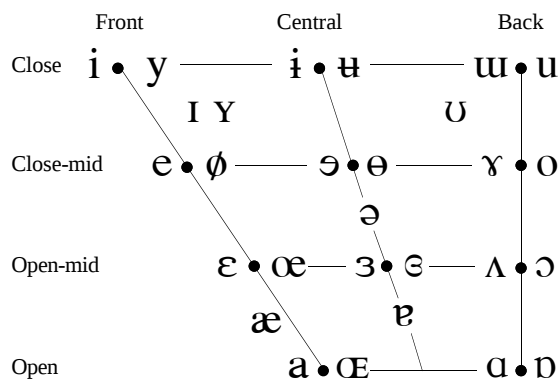
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b		t d			ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ	n			ɳ	ɲ	ŋ	ɴ		
Trill	ʙ		r						ʀ		
Tap or Flap			ɾ			ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative			ɬ ɮ								
Approximant		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 Bilabial	ɓ Bilabial	ʼ Examples:
◌ ɗ Dental	ɗ Dental/alveolar	pʼ Bilabial
◌ ɗ̥ (Post)alveolar	f Palatal	tʼ Dental/alveolar
◌ ɗ̥ Palatoalveolar	ɡ Velar	kʼ Velar
◌ ɗ̥ 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 ʐ Alveolo-palatal fricatives
ʋ Voiced labial-velar approximant	ɭ Alveolar lateral flap
ɰ Voiced labial-palatal approximant	ɥ Simultaneous ɹ and ɰ
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

SUPRASEGMENTALS

ˈ Primary stress	
ˌ Secondary stress	
ː Long	ˈfounəˈtɪʃən
ˑ Half-long	eˑ
˚ Extra-short	e˚
ˌ Minor (foot) group	
ˎ 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	◌ʰ	◌ Linguolabial	◌̼	◌ Laminal	◌̭
◌ More rounded	◌̙	◌ Labialized	◌ʷ	◌ Nasalized	◌̃
◌ Less rounded	◌̘	◌ Palatalized	◌ʲ	◌ Nasal release	◌ⁿ
◌ Advanced	◌̟	◌ Velarized	◌ˠ	◌ Lateral release	◌ˡ
◌ Retracted	◌̠	◌ Pharyngealized	◌ˤ	◌ No audible release	◌̚
◌ Centralized	◌̥	◌ Velarized or pharyngealized	◌̙		
◌ Mid-centralized	◌̞	◌ Raised	◌̠ (ɹ̠ = voiced alveolar fricative)		
◌ Syllabic	◌̩	◌ Lowered	◌̡ (β̡ = voiced bilabial approximant)		
◌ Non-syllabic	◌̥	◌ Advanced Tongue Root	◌̘		
◌ Rhoticity	◌̥ ɹ̥	◌ Retracted Tongue Root	◌̙		

TONES AND WORD ACCENTS

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