

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		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.

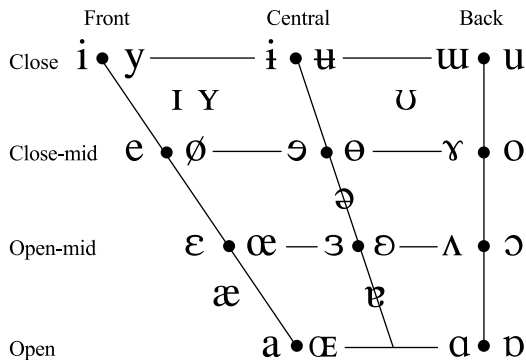
CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives		Ejectives	
⦿ Bilabial	ɓ Bilabial		as in:	
Dental	ɗ Dental/alveolar		p' Bilabial	
! (Post)alveolar	ɗ (Post)alveolar		t' Dental/alveolar	
≠ Palatoalveolar	ɠ Velar		k' Velar	
Alveolar lateral	ɠ Uvular		s' Alveolar fricative	

SUPRASEGMENTALS

		TONES & WORD ACCENTS	
		LEVEL	CONTOUR
ˈ Primary stress	ˈ	ˈ	ˈ
ˌ Secondary stress	ˌ	ˌ	ˌ
ː Long	ː	ː	ː
ˑ Half-long	ˑ	ˑ	ˑ
ˑ Extra-short	ˑ	ˑ	ˑ
ˑ Syllable break	ˑ	ˑ	ˑ
ˑ Minor (foot) group	ˑ	ˑ	ˑ
ˑ Major (intonation) group	ˑ	ˑ	ˑ
ˑ Linking (absence of a break)	ˑ	ˑ	ˑ

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	ɺ Alveolar lateral flap
ɰ Voiced labial-palatal approximant	ɺ 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	
ʔ Epiglottal plosive	

k͡p t͡s

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	◌̚
◌ Advanced	◌̟	◌ Velarized	◌̠	◌ Lateral release	◌̜
◌ Retracted	◌̠	◌ Pharyngealized	◌̡	◌ No audible release	◌̚
◌ Centralized	◌̠	◌ Velarized or pharyngealized	◌̡		
◌ Mid-centralized	◌̠	◌ Raised	◌̠		
◌ Syllabic	◌̩	◌ Lowered	◌̩		
◌ Non-syllabic	◌̥	◌ Advanced Tongue Root	◌̠		
◌ Rhoticity	◌̥	◌ Retracted Tongue Root	◌̠		