

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

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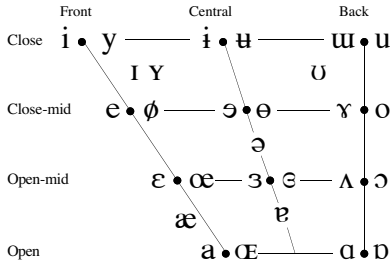
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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	t' Dental/alveolar
ǂ Palatoalveolar	ɡ Velar	k' Velar
ǁ Alveolar lateral	ɠ Uvular	s' Alveolar fricative

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
ɰ Voiced labial-velar approximant	ɺ Voiced alveolar lateral flap
ɸ Voiced labial-palatal approximant	ɺɺ Simultaneous ɸ and ɸ
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 eː
- ˑ Half-long eˑ
- ˑ Extra-short ɛ̋
- ˑ Minor (foot) group
- ˑ Major (intonation) group
- ˑ Syllable break ˑi.ækt
- ˑ Linking (absence of a break)

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

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

TONES AND WORD ACCENTS LEVEL CONTOUR

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