

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

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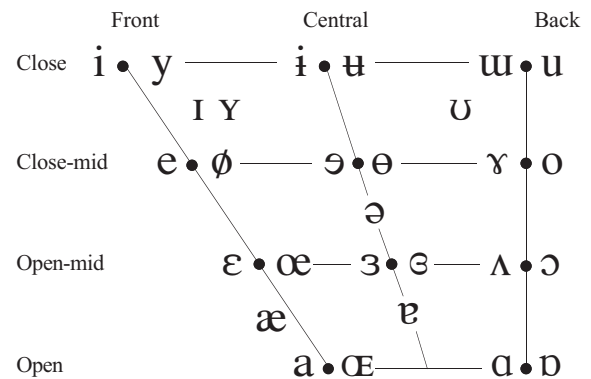
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

k̟p̟ **t̟s̟**

SUPRASEGMENTALS

◌ ˈ	Primary stress
◌ ˌ	Secondary stress
◌ ː	Long eː
◌ ˑ	Half-long eˑ
◌ ˚	Extra-short e˚
◌ ˘	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. **ŋ̥**

◌ ̥	Voiceless ŋ̥ ɖ̥	◌ ̤	Breathy voiced b̤ a̤	◌ ̦	Dental ț d̦
◌ ̜	Voiced ʂ̜ ʐ̜	◌ ̞	Creaky voiced b̞ a̞	◌ ̧	Apical ţ ḑ
◌ ̚	Aspirated t̚ d̚	◌ ̩	Linguolabial t̩ d̩	◌ ̨	Laminal t̨ d̨
◌ ̙	More rounded ɔ̙	◌ ̪	Labialized t̪ d̪	◌ ̩̥	Nasalized e̩̥
◌ ̘	Less rounded ɔ̘	◌ ̫	Palatalized t̫ d̫	◌ ̩̥̄	Nasal release d̩̥̄
◌ ̟	Advanced u̟	◌ ̬	Velarized t̬ d̬	◌ ̩̥̄̆	Lateral release d̩̥̄̆
◌ ̠	Retracted e̠	◌ ̭	Pharyngealized ṱ ḓ	◌ ̩̥̄̇	No audible release d̩̥̄̇
◌ ̡	Centralized e̡	◌ ̮	Velarized or pharyngealized t̮		
◌ ̢	Mid-centralized e̢	◌ ̯	Raised e̯ (ɹ̯ = voiced alveolar fricative)		
◌ ̣	Syllabic ṇ	◌ ̰	Lowered ḛ (β̰ = voiced bilabial approximant)		
◌ ̤	Non-syllabic e̤	◌ ̱	Advanced Tongue Root e̱		
◌ ̥	Rhoticity ə̥ ḁ	◌ ̲	Retracted Tongue Root e̲		

TONES AND WORD ACCENTS

LEVEL	CONTOUR
ē̥ or ᵇ Extra high	ē̥ or ᵇ Rising
é High	ᵇ Falling
ē Mid	ᵇ High rising
è Low	ᵇ Low rising
ē̥ Extra low	ᵇ Rising-falling
↓ Downstep	↗ Global rise
↑ Upstep	↘ Global fall