

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

© 2005 IPA

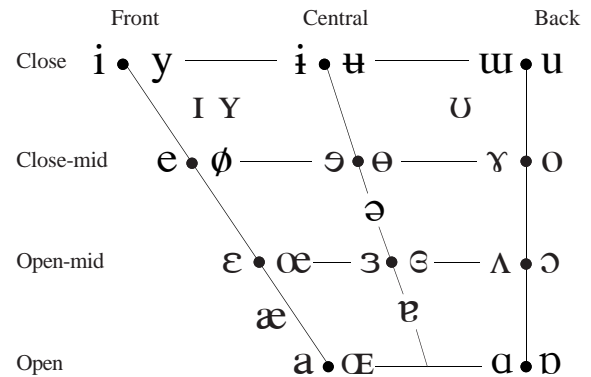
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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 ɥ 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 ts̟

SUPRASEGMENTALS

◌ ˈ	Primary stress
◌ ˌ	Secondary stress
◌ ː	Long eː
◌ ˑ	Half-long eˑ
◌ ˚	Extra-short e˚
◌ ˘	Minor (foot) group
◌ ˙	Major (intonation) group
◌ ˑ	Syllable break ˑi.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	ɓ̤ ɗ̤	◌ ̦ Dental	ț d̦
◌ ̜ Voiced	ʂ̜ ʐ̜	◌ ̞ Creaky voiced	ɓ̞ ɗ̞	◌ ̧ Apical	ţ ḑ
◌ ̚ Aspirated	t̚ d̚	◌ ̩ Linguolabial	t̩ d̩	◌ ̨ Laminar	t̨ d̨
◌ ̙ More rounded	ɔ̙	◌ ̪ Labialized	t̪ w̪ d̪ w̪	◌ ̩ Nasalized	ẽ̩
◌ ̘ Less rounded	ɔ̘	◌ ̫ Palatalized	t̫ j̫ d̫ j̫	◌ ̪ Nasal release	d̪ n̪
◌ ̣ Advanced	ụ	◌ ̬ Velarized	t̬ ɖ̬ d̬ ɣ̬	◌ ̫ Lateral release	d̫ l̫
◌ ̠ Retracted	e̠	◌ ̭ Pharyngealized	ṱ ɖ̭ ḓ ɣ̭	◌ ̮ No audible release	d̮
◌ ̡ Centralized	ẽ̡	◌ ̯ Velarized or pharyngealized	ɬ̯		
◌ ̣ Mid-centralized	ẹ̃	◌ ̰ Raised	ḛ (ɹ̰ = voiced alveolar fricative)		
◌ ̤ Syllabic	n̤	◌ ̱ Lowered	e̱ (ɸ̱ = voiced bilabial approximant)		
◌ ̥ Non-syllabic	e̥	◌ ̲ Advanced Tongue Root	e̲		
◌ ̦ Rhoticity	ə̦ a̦	◌ ̳ Retracted Tongue Root	e̳		

TONES AND WORD ACCENTS

LEVEL	CONTOUR
ẽ̥ or ˥ Extra high	ẽ̥ or ˥ Rising
é High	ẽ̂ Falling
ē Mid	ẽ̃ High rising
è Low	ẽ̄ Low rising
è̇ Extra low	ẽ̅ Rising-falling
◌ ˩ Downstep	↗ Global rise
◌ ˨ Upstep	↘ Global fall