

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

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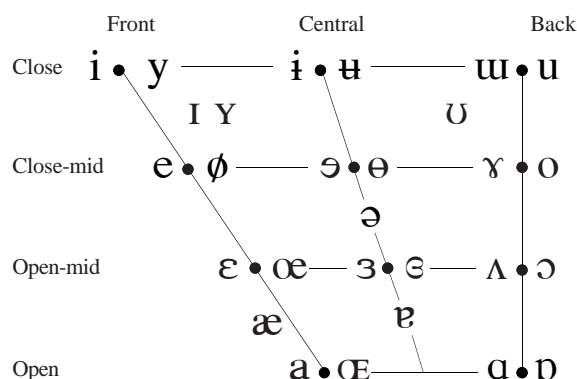
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

kp̚ ts̚

SUPRASEGMENTALS

ˈ	Primary stress	
ˌ	Secondary stress	
ː	Long	ˌfounəˈtɪʃən
ˑ	Half-long	eˑ
◌̥	Extra-short	e̥
◌̥̥	Minor (foot) group	
◌̥̥̥	Major (intonation) group	
◌̤	Syllable break	ˌi.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	◌̨	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	◌̴	(ɹ̴ = voiced alveolar fricative)
◌̱	Syllabic	◌̵	Lowered	◌̶	(β̶ = voiced bilabial approximant)
◌̲	Non-syllabic	◌̷	Advanced Tongue Root		
◌̳	Rhoticity	◌̸	Retracted Tongue Root		

TONES AND WORD ACCENTS

LEVEL	CONTOUR
é̥ or ɛ̥	↗ Extra high
é	↘ High
ē	↔ Mid
ė	↘ Low
ë	↘ Extra low
↓	Downstep
↑	Upstep
é̇ or ɛ̇	↗ Rising
ē̇	↘ Falling
ē̇̇	↗ High rising
ė̇	↘ Low rising
ė̇̇	↗ Rising-falling
↗	Global rise
↘	Global fall