

THE INTERNATIONAL PHONETIC ALPHABET

CONSONANTS (PULMONIC)

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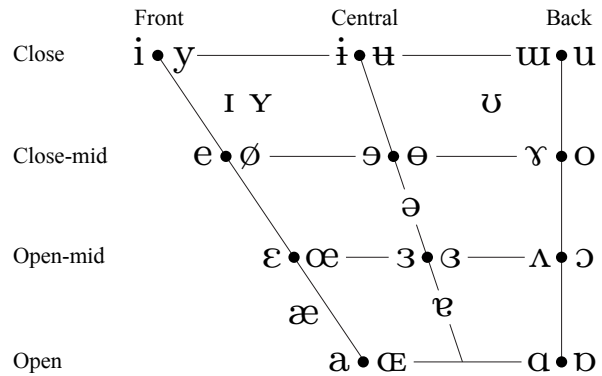
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
◌ ɸ Bilabial	ɓ Bilabial	ʼ Examples:
Dental	ɗ Dental/alveolar	pʼ Bilabial
! (Post)alveolar	ɟ Palatal	tʼ Dental/alveolar
≡ Palatoalveolar	ɡ Velar	kʼ Velar
Alveolar lateral	ɠ Uvular	sʼ Alveolar fricative

VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

OTHER SYMBOLS

Λ Voiceless labial-velar fricative	ɕ ʑ Alveolo-palatal fricatives
W Voiced labial-velar approximant	ɹ Voiced alveolar lateral flap
ʋ Voiced labial-palatal approximant	ɧ Simultaneous ʃ and x
H Voiceless epiglottal fricative	Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.
ʕ Voiced epiglottal fricative	ts kp
ʡ Epiglottal plosive	

DIACRITICS

◌ Voiceless	◌̥ ◌̜	◌ Breathy voiced	◌̤ ◌̛	◌ Dental	◌̪ ◌̫
◌ Voiced	◌̬ ◌̭	◌ Creaky voiced	◌̰ ◌̱	◌ Apical	◌̽ ◌̾
h Aspirated	tʰ dʰ	◌ 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	◌̥ (ɹ̥ = voiced alveolar fricative)		
◌ Syllabic	◌̚	◌ Lowered	◌̥ (β̥ = voiced bilabial approximant)		
◌ Non-syllabic	◌̚	◌ Advanced Tongue Root	◌̚		
◌ Rhoticity	◌̚ ɹ̚	◌ Retracted Tongue Root	◌̚		

Some diacritics may be placed above a symbol with a descender, e.g. ɳ̥

SUPRASEGMENTALS

ˈ Primary stress	ˈfounəˈtɪʃən
ˌ Secondary stress	
ː Long	eː
ˑ Half-long	eˑ
◌ Extra-short	◌̚
Minor (foot) group	
Major (intonation) group	
◌ Syllable break	ˌi.ækt
◌ Linking (absence of a break)	

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