

CONSONANTS (PULMONIC)

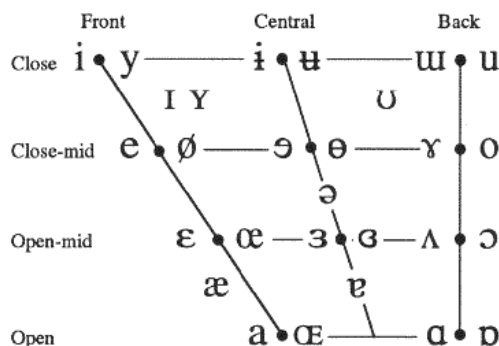
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b		t d			ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ	n			ɳ	ɲ	ŋ	ɴ		
Trill	ʙ		r						ʀ		
Tap or Flap			ɾ			ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative			ɬ ɮ								
Approximant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

SUPRASEGMENTALS

Clicks	Voiced implosives	Ejectives
⦿ Bilabial	ɓ Bilabial	ʼ as in:
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

M	Voiceless labial-velar fricative	ʧ ʤ	Alveolo-palatal fricatives
W	Voiced labial-velar approximant	l	Alveolar lateral flap
ɥ	Voiced labial-palatal approximant	ɕ ɟ	Simultaneous ʃ and x
ħ	Voiceless epiglottal fricative	Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.	
ʕ	Voiced epiglottal fricative		
ʡ	Epiglottal plosive		
		k͡p	t͡s

TONES & WORD ACCENTS

		LEVEL	CONTOUR
Primary stress	founə'tɪʃən	↗ Extra high	↗ Rising
Secondary stress		↘ High	↘ Falling
Long	eɪ	↗ Mid	↗ High rising
Half-long	e'	↘ Low	↘ Low rising
Extra-short	ě	↘ Extra low	↘ Rising-falling etc.
Syllable break	ɪ.ækt	↗ Downstep	↗ Global rise
Minor (foot) group		↘ Upstep	↘ Global fall
Major (intonation) group			
Linking (absence of a break)			

DIACRITICS

Diacritics may be placed above a symbol with a descender, e.g. $\dot{\eta}$

◌ Voiceless	ᵰ ᵱ	◌ Breathy voiced	ᵷ ᵸ	◌ Dental	ᵽ ᵿ
◌ Voiced	ᵹ ᵺ	◌ Creaky voiced	ᵻ ᵼ	◌ Apical	ᵽ ᵿ
^h Aspirated	ᵽᵰ ᵽᵱ	◌ Linguolabial	ᵼ ᵽ	◌ Laminal	ᵽᵽ ᵽᵿ
◌ More rounded	ᵽᵰ	^w Labialized	ᵽᵰᵂ ᵽᵱᵂ	◌ Nasalized	ᵽᵰ̃
◌ Less rounded	ᵽᵰ	^j Palatalized	ᵽᵰᵹ ᵽᵱᵺ	ⁿ Nasal release	ᵽᵰᵰ
⁺ Advanced	ᵽᵰ	^Y Velarized	ᵽᵰʷ ᵽᵱʷ	^l Lateral release	ᵽᵰᵰ
◌ Retracted	ᵽᵰ	^ʕ Pharyngealized	ᵽᵰˤ ᵽᵱˤ	^ʔ No audible release	ᵽᵰʔ
◌ Centralized	ᵽᵰ̞	◌ Velarized or pharyngealized	ᵽᵰ̤		
◌ Mid-centralized	ᵽᵰ̞̞	◌ Raised	ᵽᵰ̟ (ᵽᵰ̟ = voiced alveolar fricative)		
◌ Syllabic	ᵽᵰ̩	◌ Lowered	ᵽᵰ̞ (ᵽᵰ̞ = voiced bilabial approximant)		
◌ Non-syllabic	ᵽᵰ̥	◌ Advanced Tongue Root	ᵽᵰ̠		
◌ Rhoticity	ᵽᵰ̤	◌ Retracted Tongue Root	ᵽᵰ̡		