

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		ɳ̐	ɲ	ŋ	ɴ		
Trill		ʙ		r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f ɸ	v θ	ð s	z ʃ	ʒ ʂ	ç ʁ	x ɣ	χ ʁ	ħ	ʕ h
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
◌ Bilabial	ɓ Bilabial	ʼ Examples:
◌ Dental	ɗ Dental/alveolar	pʼ Bilabial
◌ (Post)alveolar	ɗ Palatal	tʼ Dental/alveolar
◌ Palatoalveolar	ɡ Velar	kʼ Velar
◌ Alveolar lateral	ɠ Uvular	sʼ Alveolar fricative

OTHER SYMBOLS

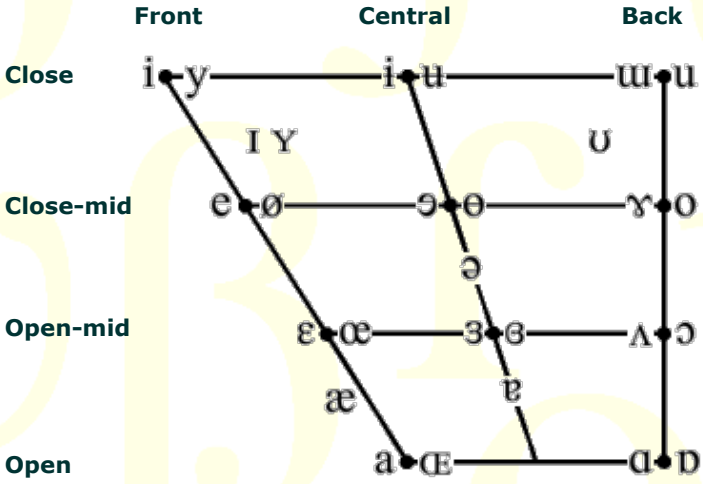
ʍ Voiceless labial-velar fricative	ɕ ʑ Alveolo-palatal fricatives
ʋ Voiced labial-velar approximant	ɺ Alveolar lateral flap
ɥ Voiced labial-palatal approximant	ɧ Simultaneous ʃ and x
ħ Voiceless epiglottal fricative	
ʕ Voiced epiglottal fricative	Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.
ʡ Epiglottal plosive	

DIACRITICS

Diacritics may be placed above a symbol with a descender, e.g. ɲ̥

◌ Voiceless	◌ ̥	◌ Breathy voiced	◌ ̤	◌ Dental	◌ ̪
◌ Voiced	◌ ̚	◌ Creaky voiced	◌ ̜	◌ Apical	◌ ̽
◌ Aspirated	◌ ʰ	◌ Linguolabial	◌ ̍	◌ Laminal	◌ ̎
◌ More rounded	◌ ʷ	◌ Labialized	◌ ʷ	◌ Nasalized	◌ ̃
◌ Less rounded	◌ ʷ̹	◌ Palatalized	◌ ʲ	◌ Nasal release	◌ ̚
◌ Advanced	◌ ̟	◌ Velarized	◌ ̙	◌ Lateral release	◌ ̚

VOWELS



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

SUPRASEGMENTALS

◌ Primary stress	◌ ˈ
◌ Secondary stress	◌ ˈ
◌ Long	◌ ː
◌ Half-long	◌ ˑ
◌ Extra-short	◌ ˑ̟
◌ Minor (foot) group	◌ ˌ
◌ Major (intonation) group	◌ ˎ
◌ Syllable break	◌ ˌ
◌ Linking (absence of a break)	◌ ˌ

TONES AND WORD ACCENTS

LEVEL	CONTOUR
◌ Extra high	◌ ˥
◌ Rising	◌ ˩˥

<u>Retracted</u> <u>e</u>	^ɰ Pharyngealized ^{tʰ} ^{dʰ}	^ɹ No audible release ^{dʲ}	^é ^ɥ High	^ê ^ɯ Falling
^{ˈˈ} Centralized ^ë	[˜] Velarized or Pharyngealized ^ɮ		^ē ^ɥ Mid	^ẽ ^ɹ High rising
^ˠ Mid-centralized ^ẽ	^ˠ Raised ^ɛ (^ɹ =voiced alveolar fricative)		^è ^ɥ Low	^ẽ ^ɹ Low rising
^ɹ Syllabic ^ɹ	^ɹ Lowered ^ɛ (^β = lowered bilabial approximant)		^ẽ ^ɥ Extra low	^ẽ ^ɹ Rising-falling
^ˠ Non-syllabic ^ɛ	^ɹ Advanced Tongue Root ^ɛ		^ɹ Downstep	^ɹ Global rise
^ˠ Rhoticity ^ə ^ɑ	^ɹ Retracted Tongue Root ^ɛ		^ɹ Upstep	^ɹ Global fall

A Quick Time player will launch here to play the sound files.