

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		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			

CONSONANTS (NON-PULMONIC)

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

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

◦ Voiceless	<u>n</u> <u>d</u>	◌̤ Breathy voiced	<u>b</u> <u>a</u>	◌̚ Dental	<u>t̪</u> <u>d̪</u>
◌̥ Voiced	<u>s</u> <u>t</u>	◌̰ Creaky voiced	<u>b̰</u> <u>a̰</u>	◌̚ Apical	<u>t̪</u> <u>d̪</u>
h Aspirated	<u>t^h</u> <u>d^h</u>	◌̚ Linguolabial	<u>t̪</u> <u>d̪</u>	◌̚ Laminar	<u>t̪</u> <u>d̪</u>
◌̙ More rounded	<u>ɔ̙</u>	W Labialized	<u>t^W</u> <u>d^W</u>	◌̚ Nasalized	<u>ẽ</u>
◌̙ Less rounded	<u>ɔ̙</u>	j Palatalized	<u>t^j</u> <u>d^j</u>	n Nasal release	<u>dⁿ</u>
◌̙ Advanced	<u>u̟</u>	Y Velarized	<u>t^Y</u> <u>d^Y</u>	l Lateral release	<u>d^l</u>
◌̙ Retracted	<u>e̠</u>	ɣ Pharyngealized	<u>t^ɣ</u> <u>d^ɣ</u>	◌̚ No audible release	<u>d̚</u>
◌̙ Centralized	<u>ẽ</u>	◌̚ Velarized or pharyngealized	<u>ɟ</u>		
× Mid-centralized	<u>ẽ</u>	◌̙ Raised	<u>e̥</u> (<u>I̥</u> = voiced alveolar fricative)		
◌̙ Syllabic	<u>n̩</u>	◌̙ Lowered	<u>e̥</u> (<u>β̥</u> = voiced bilabial approximant)		
◌̙ Non-syllabic	<u>e̥</u>	◌̙ Advanced Tongue Root	<u>ɛ̟</u>		
◌̙ Rhoticity	<u>ə̥</u> <u>ḁ</u>	◌̙ Retracted Tongue Root	<u>ɛ̠</u>		

SUPRASEGMENTALS

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

TONES AND WORD ACCENTS

LEVEL	CONTOUR
ē or ˘ Extra high	ē or ˘ Rising
é ˘ High	ê ˘ Falling
ē ˘ Mid	ě ˘ High rising
è ˘ Low	ẽ ˘ Low rising
ẽ ˘ Extra low	ẽ ˘ Rising-falling
↓ Downstep	↗ Global rise
↑ Upstep	↘ Global fall