

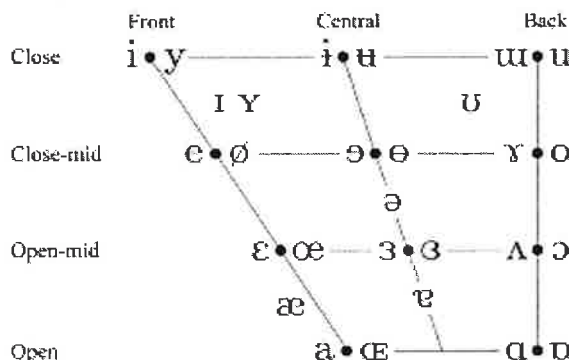
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	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x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

VOWELS

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



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

SUPRASEGMENTALS

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

Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

ts kp
tʃ dʒ

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

◌ Voiceless	n̥ d̥	◌ Breathy voiced	b̤ a̤	◌ Dental	t̪ d̪
◌ Voiced	s t	◌ Creaky voiced	b̰ a̰	◌ Apical	t̟ d̟
h Aspirated	tʰ dʰ	◌ Linguolabial	ɫ ɭ	◌ Laminal	t̠ d̠
◌ More rounded	ɔ̹	w Labialized	tʷ dʷ	◌ Nasalized	ẽ
◌ Less rounded	ɔ̜	j Palatalized	tʲ dʲ	n Nasal release	dⁿ
◌ Advanced	u̟	y Velarized	tʸ dʸ	l Lateral release	dˡ
◌ Retracted	e̠	ʕ Pharyngealized	tˤ dˤ	◌ No audible release	d̚
◌ Centralized	ẽ	~ Velarized or pharyngealized	ɮ		
∞ Mid-centralized	ẽ	◌ Raised	e̝ {ɹ = voiced alveolar fricative}		
◌ Syllabic	n̩	◌ Lowered	e̞ {β = voiced bilabial approximant}		
◌ Non-syllabic	c̥	◌ Advanced Tongue Root	e̘		
◌ Rhoticity	ɻ̆ ɻ̥	◌ Retracted Tongue Root	e̙		

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

TONES AND WORD ACCENTS

LEVEL		CONTOUR	
ě _{or}	└ Extra high	ě _{or}	/ Rising
é	└ High	ê	\ Falling
ē	└ Mid	ẽ	/ High rising
è	└ Low	ẽ	/ Low rising
ë	└ Extra low	ẽ	/ Rising-falling
↓	Downstep	↗	Global rise
↑	Upstep	↘	Global fall