

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
◉ Bilabial	ɓ Bilabial	ʼ Examples:
ǀ Dental	ɗ Dental/alveolar	ɓʼ Bilabial
ǃ (Post)alveolar	ɟ Palatal	ɬʼ Dental/alveolar
ǂ Palatoalveolar	ɠ Velar	ɠʼ Velar
ǁ Alveolar lateral	ʄ Uvular	ɬʼ Alveolar fricative

OTHER SYMBOLS

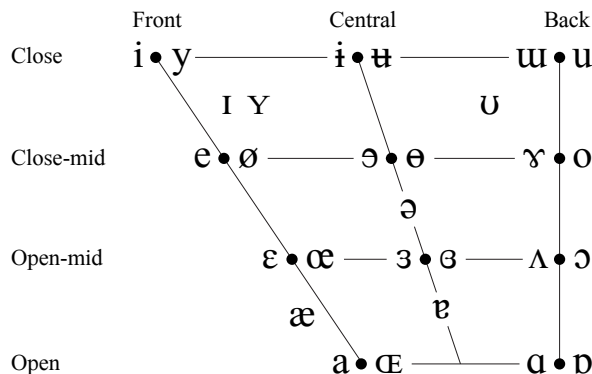
ʌ Voiceless labial-velar fricative	ɕ Alveolo-palatal fricatives
ʋ Voiced labial-velar approximant	ɭ Voiced alveolar lateral flap
ɥ Voiced labial-palatal approximant	ɥ Simultaneous ɥ and ɥ
ħ Voiceless epiglottal fricative	
ʕ Voiced epiglottal fricative	Affricates and double articulations
ʡ Epiglottal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

DIACRITICS

◌ Voiceless	ᵿ ᵿ	◌ Breathy voiced	ᵿ ᵿ	◌ Dental	ᵿ ᵿ
◌ Voiced	ᵿ ᵿ	◌ Creaky voiced	ᵿ ᵿ	◌ Apical	ᵿ ᵿ
◌ Aspirated	ᵿ^h ᵿ^h	◌ Linguolabial	ᵿ ᵿ	◌ Laminal	ᵿ ᵿ
◌ More rounded	ᵿ	◌ Labialized	ᵿ^w ᵿ^w	◌ Nasalized	ᵿ̃
◌ Less rounded	ᵿ̥	◌ Palatalized	ᵿ^j ᵿ^j	◌ Nasal release	ᵿⁿ
◌ Advanced	ᵿ₊	◌ Velarized	ᵿ^ʷ ᵿ^ʷ	◌ Lateral release	ᵿ^l
◌ Retracted	ᵿ̠	◌ Pharyngealized	ᵿ̠ ᵿ̠	◌ No audible release	ᵿ̚
◌ Centralized	ᵿ̞	◌ Velarized or pharyngealized	ᵿ̤		
◌ Mid-centralized	ᵿ̟	◌ Raised	ᵿ̟ (ᵿ̟ = voiced alveolar fricative)		
◌ Syllabic	ᵿ̩	◌ Lowered	ᵿ̞ (ᵿ̞ = voiced bilabial approximant)		
◌ Non-syllabic	ᵿ̥	◌ Advanced Tongue Root	ᵿ̟		
◌ Rhoticity	ᵿ̥ ᵿ̥	◌ Retracted Tongue Root	ᵿ̟		

Some diacritics may be placed above a symbol with a descender, e.g. $\overset{\circ}{\mathfrak{h}}$

VOWELS



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

SUPRASEGMENTALS

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

TONES AND WORD ACCENTS

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