

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
◌ɓ Bilabial	◌ɓ Bilabial	◌' Examples:
◌ɗ Dental	◌ɗ Dental/alveolar	◌p' Bilabial
◌ɗ̥ (Post)alveolar	◌ɟ Palatal	◌t' Dental/alveolar
◌ɗ̥ Palatoalveolar	◌ɡ Velar	◌k' Velar
◌ɗ̥ Alveolar lateral	◌ŋ Uvular	◌s' Alveolar fricative

OTHER SYMBOLS

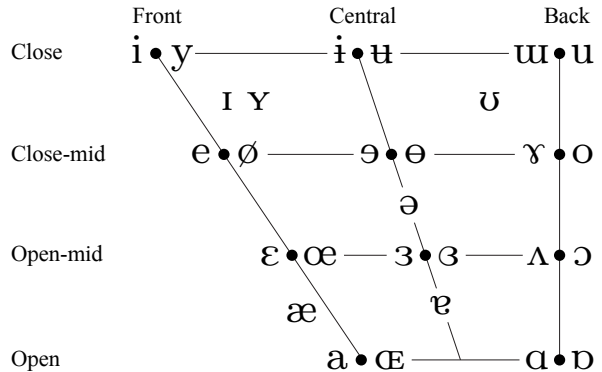
ʌ Voiceless labial-velar fricative	ɕ ʑ Alveolo-palatal fricatives
ʋ Voiced labial-velar approximant	ɺ Voiced alveolar lateral flap
ɥ Voiced labial-palatal approximant	ɥ Simultaneous ɥ and x
ħ Voiceless epiglottal fricative	
ʕ Voiced epiglottal fricative	Affricates and double articulations
ʡ Epiglottal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

DIACRITICS

◌ Voiceless	$\text{p} \quad \text{t} \quad \text{k}$	◌ Breathy voiced	$\text{p}^h \quad \text{t}^h \quad \text{k}^h$	◌ Dental	$\text{t}^d \quad \text{d}^d$
◌ Voiced	$\text{b} \quad \text{d} \quad \text{g}$	◌ Creaky voiced	$\text{b}^c \quad \text{d}^c \quad \text{g}^c$	◌ Apical	$\text{t}^a \quad \text{d}^a$
h Aspirated	$\text{t}^h \quad \text{d}^h$	◌ Linguolabial	$\text{t}^l \quad \text{d}^l$	◌ Laminal	$\text{t}^{\text{lam}} \quad \text{d}^{\text{lam}}$
◌ More rounded	$\text{ɔ} \quad \text{ɔ}^w$	◌ Labialized	$\text{t}^w \quad \text{d}^w$	◌ Nasalized	ẽ
◌ Less rounded	ɔ^{less}	◌ Palatalized	$\text{t}^j \quad \text{d}^j$	◌ Nasal release	d^{nr}
◌ Advanced	u^{adv}	◌ Velarized	$\text{t}^{\text{v}} \quad \text{d}^{\text{v}}$	◌ Lateral release	d^{lr}
◌ Retracted	e^{rct}	◌ Pharyngealized	$\text{t}^{\text{ph}} \quad \text{d}^{\text{ph}}$	◌ No audible release	d^{nar}
◌ Centralized	ẽ	◌ Velarized or pharyngealized	ɫ		
◌ Mid-centralized	ẽ^{mid}	◌ Raised	$\text{e}^{\text{r}} \quad (\text{ɹ} = \text{voiced alveolar fricative})$		
◌ Syllabic	n^{syll}	◌ Lowered	$\text{e}^{\text{low}} \quad (\text{ɸ} = \text{voiced bilabial approximant})$		
◌ Non-syllabic	e^{nsyll}	◌ Advanced Tongue Root	e^{atr}		
◌ Rhoticity	$\text{ɹ} \quad \text{ɹ}^{\text{h}}$	◌ Retracted Tongue Root	e^{trr}		

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

VOWELS



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

SUPRASEGMENTALS

	Primary stress	ˈ	fəʊnə	ˈ	tɪʃən
	Secondary stress				
ː	Long		eː		
ˑ	Half-long		eˑ		
˘	Extra-short		ĕ		
	Minor (foot) group				
	Major (intonation) group				
.	Syllable break		ɪ.ækt		
ˌ	Linking (absence of a break)				

TONES AND WORD ACCENTS

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