

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

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	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal		Glottal	
Plosives	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	◌' Examples:
◌ Dental	◌ɗ Dental/alveolar	◌p' Bilabial
◌! (Post)alveolar	◌ɟ Palatal	◌t' Dental/alveolar
◌≡ Palatoalveolar	◌ɠ Velar	◌k' Velar
◌ Alveolar lateral	◌ɣ Uvular	◌s' Alveolar fricative

OTHER SYMBOLS

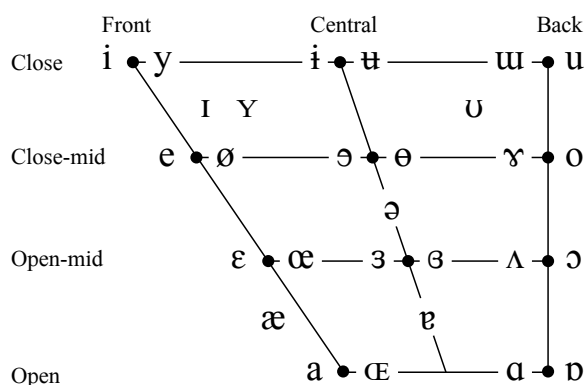
ʌ	Voiceless labial-velar fricative	ɕ ʑ	Alveolo-palatal fricatives
ʋ	Voiced labial-velar approximant	ɭ	Voiced alveolar lateral flap
ɥ	Voiced labial-palatal approximant	ɥ̟	Simultaneous ɥ and X
ħ	Voiceless epiglottal fricative		
ʕ	Voiced epiglottal fricative	Affricates and double articulations can be represented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

DIACRITICS

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

[illegible]

VOWELS



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

SUPRASEGMENTALS

| Primary stress
 | Secondary stress
 : Long e:
 ː Half-long eː
 ˘ Extra-short ĕ
 | Minor (foot) group
 || Major (intonation) group
 . Syllable break ˌi.ækt
 Linking (absence of a break)

TONES AND WORD ACCENTS

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