

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

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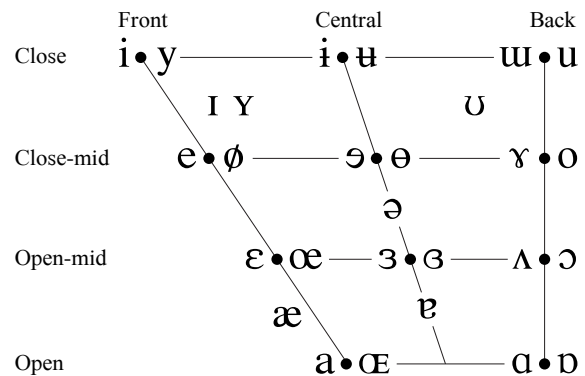
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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
ɔ Bilabial	ɓ Bilabial	ʼ Examples:
ǀ Dental	ɗ Dental/alveolar	pʼ Bilabial
ǃ (Post)alveolar	ɟ Palatal	tʼ Dental/alveolar
ǂ Palatoalveolar	ɡ Velar	kʼ Velar
ǁ Alveolar lateral	ɠ Uvular	sʼ Alveolar fricative

VOWELS



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

OTHER SYMBOLS

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

ts kp

SUPRASEGMENTALS

ˈ Primary stress	ˌ Secondary stress
ː Long	ˑ Half-long
˚ Extra-short	˘ Minor (foot) group
˙ Major (intonation) group	˙ Syllable break
˘ Linking (absence of a break)	

TONES AND WORD ACCENTS

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

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

◌̥ Voiceless	◌̤ Breathy voiced	◌̦ Dental
◌̇ Voiced	◌̧ Creaky voiced	◌̨ Apical
◌̥ Aspirated	◌̩ Linguolabial	◌̪ Laminal
◌̥ More rounded	◌̫ Labialized	◌̬ Nasalized
◌̥ Less rounded	◌̭ Palatalized	◌̮ Nasal release
◌̥ Advanced	◌̯ Velarized	◌̰ Lateral release
◌̥ Retracted	◌̱ Pharyngealized	◌̲ No audible release
◌̥ Centralized	◌̳ Velarized or pharyngealized	
◌̥ Mid-centralized	◌̴ Raised (ɹ̴ = voiced alveolar fricative)	
◌̥ Syllabic	◌̵ Lowered (β̵ = voiced bilabial approximant)	
◌̥ Non-syllabic	◌̶ Advanced Tongue Root	
◌̥ Rhoticity	◌̷ Retracted Tongue Root	