

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2017)

CONSONANTS (PULMONIC)

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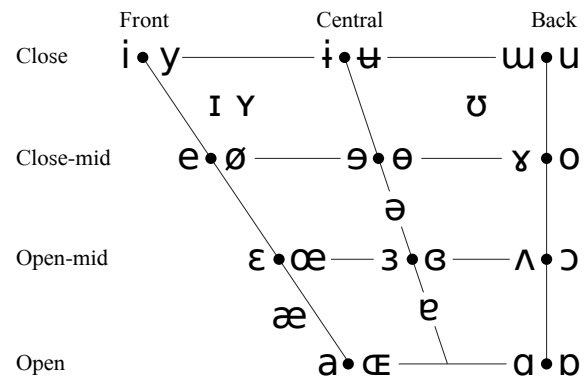
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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	ɓ' Bilabial
ǃ (Post)alveolar	ɟ Palatal	ɗ' Dental/alveolar
ǂ Palatoalveolar	ɡ Velar	ɠ' Velar
ǁ Alveolar lateral	ʄ Uvular	ʂ' Alveolar fricative

VOWELS



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

OTHER SYMBOLS

ɱ	Voiceless labial-velar fricative	ʕ	Alveolo-palatal fricatives
ʋ	Voiced labial-velar approximant	ɰ	Voiced alveolar lateral flap
ɰ	Voiced labial-palatal approximant	ɻ	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	ts̠	
ʔ	Epiglottal plosive	k͡p̚	

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

◌̥	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 (ɹ̥ = voiced alveolar fricative)		
◌̡	Syllabic	◌̦	Lowered (β̦ = voiced bilabial approximant)		
◌̢	Non-syllabic	◌̣	Advanced Tongue Root		
◌̣	Rhoticity	◌̤	Retracted Tongue Root		

SUPRASEGMENTALS

ˈ	Primary stress	
ˌ	Secondary stress	
ː	Long	eː
ˑ	Half-long	eˑ
˚	Extra-short	e˚

⏏	Minor (foot) group
⏚	Major (intonation) group
·	Syllable break ji.ækt
◌◌	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	ẽ̄	Low rising
è̄	Extra low	ẽ̄	Rising-falling
↓	Downstep	↗	Global rise
↑	Upstep	↘	Global fall