

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2016)

CONSONANTS (PULMONIC)

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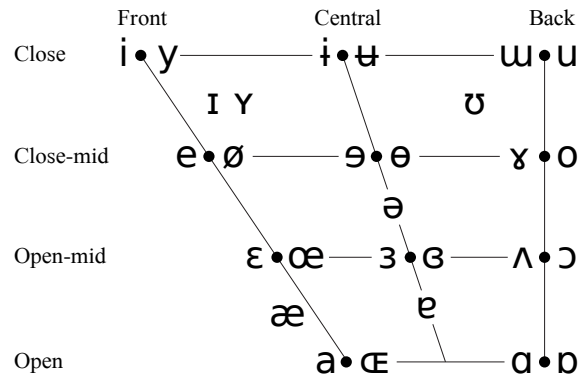
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			ʀ					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

VOWELS



OTHER SYMBOLS

ɱ Voiceless labial-velar fricative	ɕ ʑ Alveolo-palatal fricatives
ʋ Voiced labial-velar approximant	ɺ Voiced alveolar lateral flap
ɰ Voiced labial-palatal approximant	ɥ 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	
ʔ Epiglottal plosive	

ts̺ kp̺

SUPRASEGMENTALS

- ˈ Primary stress ˈfounəˈtɪʃən
- 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	ē ˧ High rising
è ˧ Low	ě ˧ Low rising
è ˧ Extra low	ě ˧ Rising-falling
↓ Downstep	↗ Global rise
↑ Upstep	↘ Global fall

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

◌̥ 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	◌̔ Lowered
◌̐ Syllabic	◌̕ Advanced Tongue Root	◌̖ Retracted Tongue Root
◌̑ Non-syllabic		
◌̒ Rhoticity		