

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2016)

CONSONANTS (PULMONIC)

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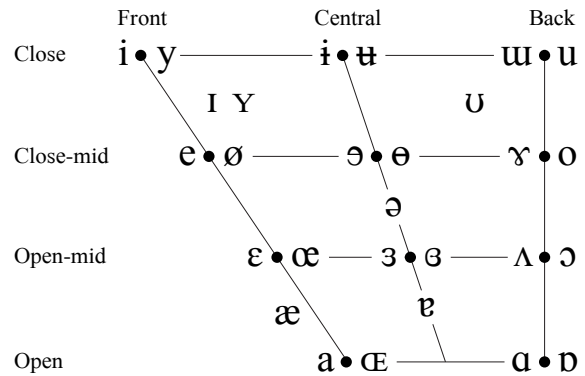
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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	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

- ʍ 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 ʃ 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

ts kp

SUPRASEGMENTALS

- ˈ Primary stress ˌ founəˈtʃən
- ˑ Secondary stress
- ː Long eː
- ˑ Half-long eˑ
- ˘ Extra-short ɛ̘
- ◌| Minor (foot) group
- ◌|| Major (intonation) group
- ◌. Syllable break .i.ækt
- ◌◌ Linking (absence of a break)

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

◌̥ Voiceless	◌̄ Breathy voiced	◌̇ Dental
◌̆ Voiced	◌̃ Creaky voiced	◌̈ Apical
◌ʰ 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	◌̥̄̆ (ɹ̥̄̆ = voiced alveolar fricative)
◌̥̄̆̆ Syllabic	◌̥̄̆̆ Lowered	◌̥̄̆̆ (β̥̄̆̆ = voiced bilabial approximant)
◌̥̄̆̆̆ Non-syllabic	◌̥̄̆̆̆ Advanced Tongue Root	
◌̥̄̆̆̆̆ Rhoticity	◌̥̄̆̆̆̆ Retracted Tongue Root	

TONES AND WORD ACCENTS

- | LEVEL | CONTOUR |
|--------------------|----------------------|
| é̥ or ǀ Extra high | ě̥ or ǀ Rising |
| é̄ ǀ High | ê̄ ǀ Falling |
| ē̄ ǀ Mid | ě̄ ǀ High rising |
| è̄ ǀ Low | ě̄ ǀ Low rising |
| è̥̄ ǀ Extra low | ě̥̄ ǀ Rising-falling |
| ↓ Downstep | ↗ Global rise |
| ↑ Upstep | ↘ Global fall |