

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

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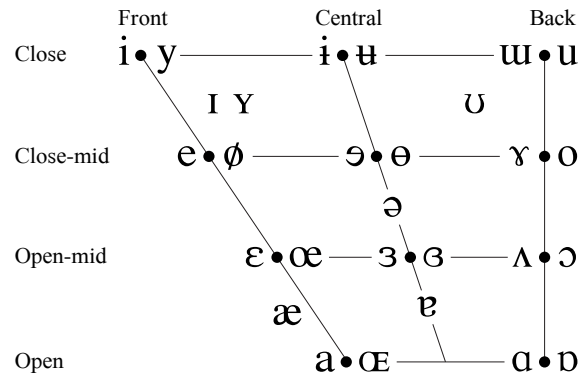
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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
⦿ Bilabial	ɓ Bilabial	ʼ Examples:
ǀ Dental	ɗ Dental/alveolar	ɓ' Bilabial
ǃ (Post)alveolar	ɟ Palatal	ɗ' Dental/alveolar
ǃ̥ Palatoalveolar	ɡ Velar	ɟ' Velar
ǁ Alveolar lateral	ɠ Uvular	ɟ' 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 ɥ Simultaneous ʃ and x
 - ħ Voiceless epiglottal fricative
 - ʕ Voiced epiglottal fricative
 - ʡ Epiglottal plosive
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

ts̠ k̠p̠

SUPRASEGMENTALS

- ˈ Primary stress ˌfounəˈtʃən
- ˌ 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. ɲ̰

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

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 |
| è̇ ˥ Extra low | ẽ̇ ˥ Rising-falling |
| ˥ Downstep | ↗ Global rise |
| ˥ Upstep | ↘ Global fall |