

# THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

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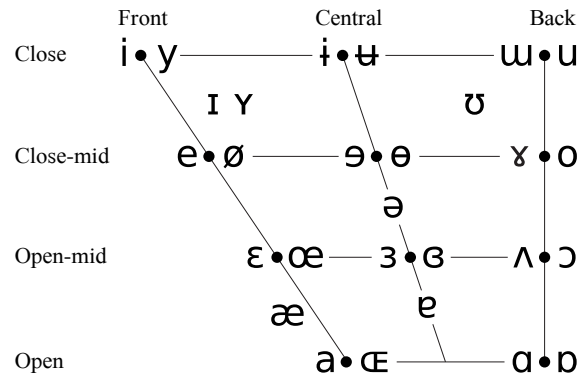
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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	pʼ Bilabial
ǃ (Post)alveolar	ɟ Palatal	tʼ Dental/alveolar
ǃ̥ 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
- ɰ Voiced labial-velar approximant
- ɰ Voiced labial-palatal approximant
- ħ Voiceless epiglottal fricative
- ʕ Voiced epiglottal fricative
- ʔ Epiglottal plosive
- ɕ ʑ Alveolo-palatal fricatives
- ɻ Voiced alveolar lateral flap
- ɥ Simultaneous ʃ and x
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

ts̺ kp̺

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)

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

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

TONES AND WORD ACCENTS

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