

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

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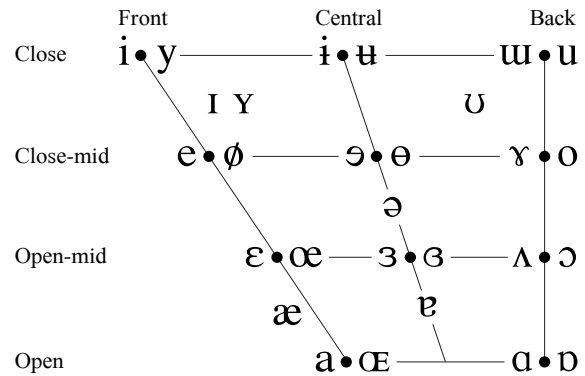
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

ts̺ k̟

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 **.i.ækt**
- ̚̚̚** Linking (absence of a break)

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

◌ [◌] Voiceless	ɸ̚ ɓ̚	◌ [◌] Breathy voiced	ɸ̤ ɓ̤	◌ [◌] Dental	ʈ̚ ɖ̚
◌ [◌] Voiced	ɸ̤ ɓ̤	◌ [◌] Creaky voiced	ɸ̰ ɓ̰	◌ [◌] Apical	ʈ̚ ɖ̚
◌ ^h Aspirated	ʈ^h ɖ^h	◌ [◌] Linguolabial	ʈ̚ ɖ̚	◌ [◌] Laminal	ʈ̚ ɖ̚
◌ [◌] More rounded	ɸ̞ ɓ̞	◌ ^w Labialized	ʈ^w ɖ^w	◌ [◌] Nasalized	ẽ̃
◌ [◌] Less rounded	ɸ̜ ɓ̜	◌ ^j Palatalized	ʈ^j ɖ^j	◌ ⁿ Nasal release	dⁿ
◌ ⁺ Advanced	ɸ̟ ɓ̟	◌ ^Y Velarized	ʈ^Y ɖ^Y	◌ ^l Lateral release	d^l
◌ [◌] Retracted	ɸ̠ ɓ̠	◌ ^ɣ Pharyngealized	ʈ^ɣ ɖ^ɣ	◌ [◌] No audible release	d[◌]
◌ [◌] Centralized	ẽ̥	◌ [◌] Velarized or pharyngealized	ɬ̠		
◌ ^x Mid-centralized	ẽ̞	◌ [◌] Raised	ɛ̥ (ɹ̥ = voiced alveolar fricative)		
◌ [◌] Syllabic	ɲ̩	◌ [◌] Lowered	ɛ̞ (β̞ = voiced bilabial approximant)		
◌ [◌] Non-syllabic	ɛ̥	◌ [◌] Advanced Tongue Root	ɛ̟		
◌ [◌] Rhoticity	ɻ̥ ɻ̤	◌ [◌] Retracted Tongue Root	ɛ̠		

TONES AND WORD ACCENTS

- | LEVEL | CONTOUR |
|---------------------------------|-----------------------------|
| é or ᵇ Extra high | ě or ᵇ Rising |
| é High | ē Falling |
| ē Mid | ē̂ High rising |
| è Low | ē̃ Low rising |
| è̂ Extra low | ē̄ Rising-falling |
| ↓ Downstep | ↗ Global rise |
| ↑ Upstep | ↘ Global fall |