

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

CONSONANTS (PULMONIC)

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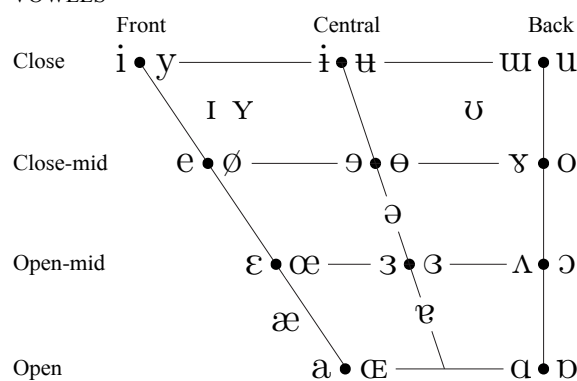
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			ɾ					ʀ		
Tap or Flap		ⱱ		ɽ		ɽ̚					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

OTHER SYMBOLS

- ɮ Voiceless labial-velar fricative
- ɠ Voiced labial-velar approximant
- ɥ Voiced labial-palatal approximant
- ʜ Voiceless epiglottal fricative
- ʕ Voiced epiglottal fricative
- ʡ Epiglottal plosive
- ɕ ʑ Alveolo-palatal fricatives
- ɺ Voiced alveolar lateral flap
- ɥɥ Simultaneous ɥ and ʏ
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

ts̩ kp̩

SUPRASEGMENTALS

- ˈ Primary stress
- ˌ Secondary stress
- ː Long
- ◌̄ 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. ɲ̰

◌̥ Voiceless	◌̥ ɲ̥ ɖ̥	◌̤ Breathy voiced	◌̤ ɓ̤ ɗ̤	◌̦ Dental	◌̦ ț d̦
◌̇ Voiced	◌̇ ɣ̇ ʈ̇	◌̨ Creaky voiced	◌̨ ɓ̨ ɗ̨	◌̧ Apical	◌̧ ţ ḑ
◌̥˥ Aspirated	◌̥˥ t̥˥ d̥˥	◌̥˩ Linguolabial	◌̥˩ t̥˩ d̥˩	◌̨˥ Laminal	◌̨˥ t̨˥ d̨˥
◌̥˩ More rounded	◌̥˩ ɔ̥˩	◌̥˩˥ Labialized	◌̥˩˥ t̥˩˥ d̥˩˥	◌̥˩˥ Nasalized	◌̥˩˥ ẽ
◌̥˩˥ Less rounded	◌̥˩˥ ɔ̥˩˥	◌̥˩˥˥ Palatalized	◌̥˩˥˥ t̥˩˥˥ d̥˩˥˥	◌̥˩˥˥ Nasal release	◌̥˩˥˥ d̥˩˥˥ ⁿ
◌̥˩˥˥ Advanced	◌̥˩˥˥ ɰ̥˩˥˥	◌̥˩˥˥˥ Velarized	◌̥˩˥˥˥ t̥˩˥˥˥ d̥˩˥˥˥	◌̥˩˥˥˥ Lateral release	◌̥˩˥˥˥ d̥˩˥˥˥ ^l
◌̥˩˥˥˥ Retracted	◌̥˩˥˥˥ ɛ̥˩˥˥˥	◌̥˩˥˥˥˥ Pharyngealized	◌̥˩˥˥˥˥ t̥˩˥˥˥˥ d̥˩˥˥˥˥	◌̥˩˥˥˥˥ No audible release	◌̥˩˥˥˥˥ d̥˩˥˥˥˥ ^ɹ
◌̥˩˥˥˥˥ Centralized	◌̥˩˥˥˥˥ ẽ̥	◌̥˩˥˥˥˥˥ Velarized or pharyngealized	◌̥˩˥˥˥˥˥ ɭ̥		
◌̥˩˥˥˥˥˥ Mid-centralized	◌̥˩˥˥˥˥˥ ẽ̥˩˥˥˥˥˥	◌̥˩˥˥˥˥˥˥ Raised	◌̥˩˥˥˥˥˥˥ ɛ̥˩˥˥˥˥˥ (ɹ̥ = voiced alveolar fricative)		
◌̥˩˥˥˥˥˥˥ Syllabic	◌̥˩˥˥˥˥˥˥ ɲ̥˩˥˥˥˥˥˥	◌̥˩˥˥˥˥˥˥˥ Lowered	◌̥˩˥˥˥˥˥˥˥ ɛ̥˩˥˥˥˥˥˥ (ɓ̥ = voiced bilabial approximant)		
◌̥˩˥˥˥˥˥˥˥ Non-syllabic	◌̥˩˥˥˥˥˥˥˥ ɛ̥˩˥˥˥˥˥˥˥	◌̥˩˥˥˥˥˥˥˥˥ Advanced Tongue Root	◌̥˩˥˥˥˥˥˥˥˥ ɛ̥˩˥˥˥˥˥˥˥		
◌̥˩˥˥˥˥˥˥˥˥ Rhoticity	◌̥˩˥˥˥˥˥˥˥˥ ɞ̥ ɶ̥	◌̥˩˥˥˥˥˥˥˥˥˥ Retracted Tongue Root	◌̥˩˥˥˥˥˥˥˥˥˥ ɛ̥˩˥˥˥˥˥˥˥˥		

TONES AND WORD ACCENTS

- | LEVEL | CONTOUR |
|----------|------------------|
| ẽ̥ or ɛ̥ | ↗ Extra high |
| é̥ | ↘ High |
| ē̥ | ↗ Mid |
| è̥ | ↘ Low |
| è̥̆ | ↘ Extra low |
| ↓ | Downstep |
| ↑ | Upstep |
| ẽ̥ or ɛ̥ | ↗ Rising |
| ê̥ | ↘ Falling |
| ẽ̥ | ↗ High rising |
| è̥ | ↘ Low rising |
| ẽ̥̆ | ↘ Rising-falling |
| ↗ | Global rise |
| ↘ | Global fall |