

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2020)

CONSONANTS (PULMONIC)

© 2020 IPA

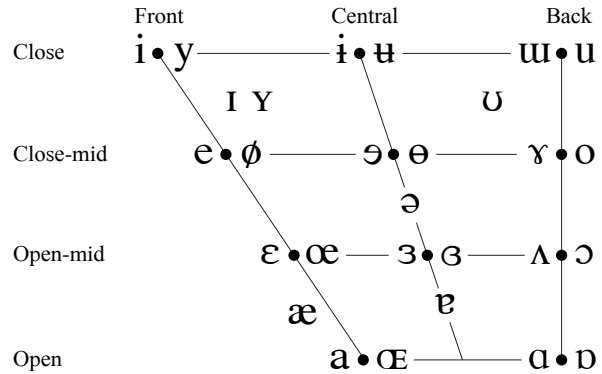
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k g	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		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	◌ Examples:
Dental	ɗ Dental/alveolar	ɓ' Bilabial
! (Post)alveolar	ɟ Palatal	ɗ' Dental/alveolar
≠ Palatoalveolar	ɠ Velar	k' Velar
Alveolar lateral	ɠ Uvular	s' Alveolar fricative

VOWELS



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

OTHER SYMBOLS

- ɱ** Voiceless labial-velar fricative
- ɮ** Alveolo-palatal fricatives
- ʋ** Voiced labial-velar approximant
- ɻ** Voiced alveolar lateral flap
- ɰ** Voiced labial-palatal approximant
- ɰ** Simultaneous **ʃ** and **x**
- ħ** Voiceless epiglottal fricative
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.
- ʕ** Voiced epiglottal fricative
- ʔ** Epiglottal plosive

ts̺ k̟p̠

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

◌ Voiceless	ᵿ ɖ̥	◌ Breathy voiced	ᵿ̤ ɖ̤	◌ Dental	ᵿ̪ ɖ̪
◌ Voiced	ᵿ̤ ɖ̤	◌ Creaky voiced	ᵿ̰ ɖ̰	◌ Apical	ᵿ̟ ɖ̟
h Aspirated	tʰ dʰ	◌ Linguolabial	t̟ ɖ̟	◌ Laminal	t̪ ɖ̪
◌ More rounded	ɔ̹	◌ Labialized	tʷ ɖʷ	◌ Nasalized	ẽ̃
◌ Less rounded	ɔ̜	◌ Palatalized	tʲ ɖʲ	◌ Nasal release	d̚
◌ Advanced	ɥ	◌ Velarized	tˠ ɖˠ	◌ Lateral release	d̚ˌ
◌ Retracted	ɛ̠	◌ Pharyngealized	tˤ ɖˤ	◌ No audible release	d̚̚
◌ Centralized	ẽ̥	◌ Velarized or pharyngealized	ɮ̠		
◌ Mid-centralized	ẽ̞	◌ Raised	e̝ (ɹ̝ = voiced alveolar fricative)		
◌ Syllabic	ᵿ̥	◌ Lowered	e̞ (β̞ = voiced bilabial approximant)		
◌ Non-syllabic	ᵿ̥	◌ Advanced Tongue Root	e̟		
◌ Rhoticity	ə̤ ɑ̤	◌ Retracted Tongue Root	e̠		

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

TONES AND WORD ACCENTS

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