

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2020)

CONSONANTS (PULMONIC)

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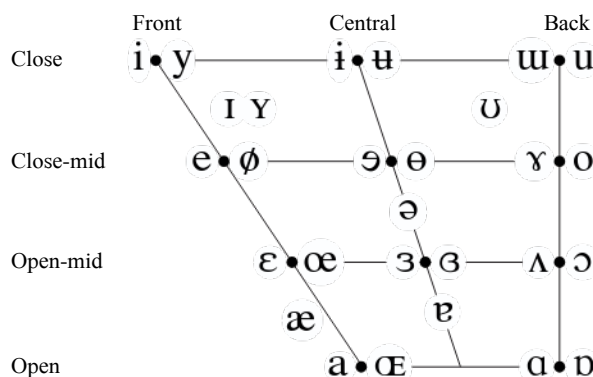
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

VOWELS



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

OTHER SYMBOLS

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

ts kp

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)

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 |
| ẽ Extra low | ẽ Rising-falling |
| ↓ Downstep | ↗ Global rise |
| ↑ Upstep | ↘ Global fall |

DIACRITICS

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

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