

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

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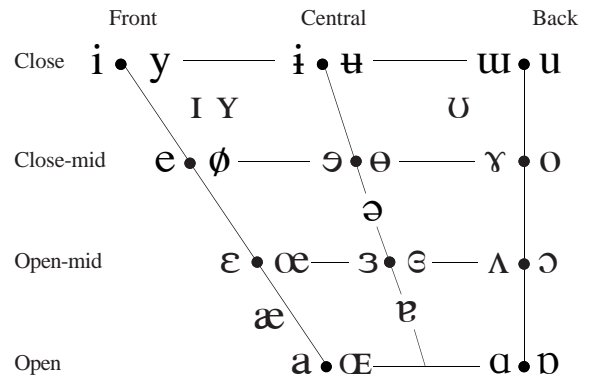
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

Where symbols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
◌ ǀ Bilabial	ɓ Bilabial	ʼ Examples:
◌ ǃ Dental	ɗ Dental/alveolar	ɓ' Bilabial
◌ ǂ (Post)alveolar	ɟ Palatal	ɗ' Dental/alveolar
◌ ǁ Palatoalveolar	ɠ Velar	ɠ' Velar
◌ ǁ Alveolar lateral	ɣ Uvular	ɣ' Alveolar fricative

VOWELS



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

OTHER SYMBOLS

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

kp̚ ts̚

SUPRASEGMENTALS

- ˈ Primary stress
- ˌ Secondary stress
- ː Long eː
- ˑ Half-long eˑ
- ◌̥ Extra-short ɛ̥
- ◌̥ Minor (foot) group
- ◌̥ Major (intonation) group
- ◌̥ Syllable break .i.ækt
- ◌̥ Linking (absence of a break)

DIACRITICS Diacritics may be placed above a symbol with a descender, e.g. ɲ̥

◌̥ Voiceless	◌̥	◌̥ Breathy voiced	◌̥	◌̥ Dental	◌̥
◌̥ Voiced	◌̥	◌̥ Creaky voiced	◌̥	◌̥ Apical	◌̥
◌̥ Aspirated	◌̥ ^h	◌̥ Linguolabial	◌̥	◌̥ Laminal	◌̥
◌̥ More rounded	◌̥ ^ɔ	◌̥ Labialized	◌̥ ^w	◌̥ Nasalized	◌̥ [̃]
◌̥ Less rounded	◌̥ ^{ɔ̟}	◌̥ Palatalized	◌̥ ^j	◌̥ Nasal release	◌̥ ⁿ
◌̥ Advanced	◌̥ ⁺	◌̥ Velarized	◌̥ ^ɣ	◌̥ Lateral release	◌̥ ^l
◌̥ Retracted	◌̥ ⁻	◌̥ Pharyngealized	◌̥ ^ʕ	◌̥ No audible release	◌̥ [̚]
◌̥ Centralized	◌̥ [̠]	◌̥ Velarized or pharyngealized	◌̥ [̡]		
◌̥ Mid-centralized	◌̥ ^{̡̟}	◌̥ Raised	◌̥ [̡] (ɹ̡ = voiced alveolar fricative)		
◌̥ Syllabic	◌̥ [̩]	◌̥ Lowered	◌̥ [̜] (β̜ = voiced bilabial approximant)		
◌̥ Non-syllabic	◌̥ [̯]	◌̥ Advanced Tongue Root	◌̥ [̘]		
◌̥ Rhoticity	◌̥ [̜] ɻ̜	◌̥ Retracted Tongue Root	◌̥ [̙]		

TONES AND WORD ACCENTS

- | LEVEL | CONTOUR |
|------------|-------------------------|
| é̋ or ˥ | ˥ or ˩ Rising |
| é̌ or ˥̌ | ˥̌ or ˩̌ Falling |
| ē̌ or ˥̌ | ˥̌ or ˩̌ High rising |
| è̌ or ˥̌ | ˥̌ or ˩̌ Low rising |
| è̋ or ˥̋ | ˥̋ or ˩̋ Rising-falling |
| ↓ Downstep | ↗ Global rise |
| ↑ Upstep | ↘ Global fall |