

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

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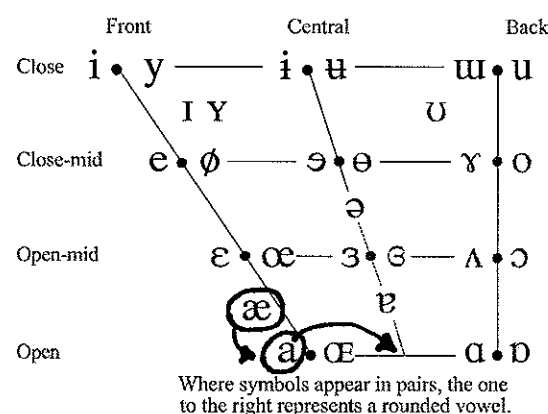
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal		m ɱ		n ɳ		ɳ̐	ɲ	ŋ	ɴ		
Trill		ʙ		ʀ					ʀ		
Tap or Flap				ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

VOWELS → modified for phonology



OTHER SYMBOLS

ʌ	Voiceless labial-velar fricative	ʦ ʑ	Alveolo-palatal fricatives
ʋ	Voiced labial-velar approximant	ɻ	Voiced alveolar lateral flap
ɥ	Voiced labial-palatal approximant	ɧ	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.
ʙ	Epiglottal plosive		

kp̣ tṣ

SUPRASEGMENTALS

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

TONES AND WORD ACCENTS LEVEL CONTOUR

- é̄ or ˥ Extra high ẽ̄ or ˧ Rising
- é̅ High ê̅ Falling
- ē̅ Mid ē̅ High rising
- è̅ Low e̅ Low rising
- è̆ Extra low ĕ Rising-falling
- ↓ Downstep ↗ Global rise
- ↑ Upstep ↘ Global fall

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

◌̚	Voiceless n̚ d̚	◌̤	Breathy voiced b̤ a̤	◌̠	Dental t̠ d̠
◌̚	Voiced s̚ t̚	◌̥	Creaky voiced b̥ ḁ	◌̡	Apical t̡ d̡
◌̚	Aspirated tʰ dʰ	◌̜	Linguolabial t̜ d̜	◌̣	Laminal ṭ ḍ
◌̙	More rounded ɔ̙	◌̝	Labialized tʷ dʷ	◌̜̜̜	Nasalized ẽ̜̜̜
◌̚	Less rounded ɔ̚	◌̞	Palatalized tʲ dʲ	◌̚	Nasal release d̚^n
◌̚	Advanced u̚	◌̠	Velarized t̠ʷ d̠ʷ	◌̚	Lateral release d̚^l
◌̚	Retracted e̚	◌̜	Pharyngealized t̜ʕ d̜ʕ	◌̚	No audible release d̚̚
◌̚	Centralized ẽ̚	◌̜̜̜	Velarized or pharyngealized ɫ̜̜̜		
◌̚	Mid-centralized ẽ̚	◌̚	Raised e̚ (ɹ̚ = voiced alveolar fricative)		
◌̚	Syllabic n̚	◌̚	Lowered e̚ (β̚ = voiced bilabial approximant)		
◌̚	Non-syllabic e̚	◌̚	Advanced Tongue Root e̚		
◌̚	Rhoticity ə̚ a̚	◌̚	Retracted Tongue Root e̚		