

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2020)

CONSONANTS (PULMONIC)

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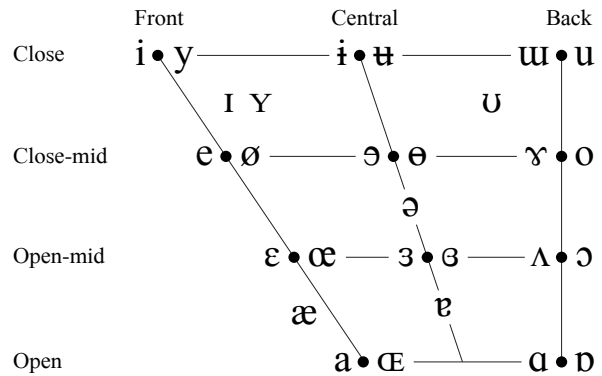
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

VOWELS



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

OTHER SYMBOLS

ɱ Voiceless labial-velar fricative	ɕ ʑ Alveolo-palatal fricatives
ɰ Voiced labial-velar approximant	ɺ Voiced alveolar lateral flap
ɥ Voiced labial-palatal approximant	ɧ 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	ts kp
ʡ Epiglottal plosive	

DIACRITICS

◌ ɸ Voiceless	◌ ɸ n d	◌ ɸ Breathy voiced	◌ ɸ b a	◌ ɸ Dental	◌ ɸ t d
◌ ɸ Voiced	◌ ɸ ɳ ɽ	◌ ɸ Creaky voiced	◌ ɸ ɰ ɱ	◌ ɸ Apical	◌ ɸ ʈ ɖ
◌ ɸ Aspirated	◌ ɸ tʰ dʰ	◌ ɸ Linguolabial	◌ ɸ ɱ ɮ	◌ ɸ Laminal	◌ ɸ ʈ ɖ
◌ ɸ More rounded	◌ ɸ ɔ	◌ ɸ Labialized	◌ ɸ tʷ dʷ	◌ ɸ Nasalized	◌ ɸ ẽ
◌ ɸ Less rounded	◌ ɸ ɔ̹	◌ ɸ Palatalized	◌ ɸ tʲ dʲ	◌ ɸ Nasal release	◌ ɸ dⁿ
◌ ɸ Advanced	◌ ɸ u̟	◌ ɸ Velarized	◌ ɸ tˠ dˠ	◌ ɸ Lateral release	◌ ɸ dˡ
◌ ɸ Retracted	◌ ɸ e̠	◌ ɸ Pharyngealized	◌ ɸ tˤ dˤ	◌ ɸ No audible release	◌ ɸ d̚
◌ ɸ Centralized	◌ ɸ ẽ	◌ ɸ Velarized or pharyngealized	◌ ɸ ɰ		
◌ ɸ Mid-centralized	◌ ɸ ẽ̞	◌ ɸ Raised	◌ ɸ e̝ (ɹ = voiced alveolar fricative)		
◌ ɸ Syllabic	◌ ɸ n̩	◌ ɸ Lowered	◌ ɸ e̞ (β = voiced bilabial approximant)		
◌ ɸ Non-syllabic	◌ ɸ e̞̯	◌ ɸ Advanced Tongue Root	◌ ɸ e̞̟		
◌ ɸ Rhoticity	◌ ɸ ɹ̥ ɹ̥̄	◌ ɸ Retracted Tongue Root	◌ ɸ e̞̠		

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

SUPRASEGMENTALS

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

TONES AND WORD ACCENTS

LEVEL	CONTOUR
ẽ or ˥ Extra high	ẽ or ˨ Rising
é ˦ High	ê ˨ Falling
ē ˧ Mid	ẽ ˩ High rising
è ˩ Low	ẽ ˩ Low rising
ẽ̃ ˩ Extra low	ẽ̃ ˩ Rising-falling
˩ Downstep	↗ Global rise
˩ Upstep	↘ Global fall