

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		t̪ d̪	c ɟ	k g	q ɢ			? ʗ
Nasal	m	m̪	n		ɳ	n̪	ŋ		N		
Trill	B		r						R		
Tap or Flap		v̪	f̪		t̪						
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ɟ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative			ɬ ɭ								
Approximant		v̪	r̪		ɬ̪	j̪	w̪				
Lateral approximant			l̪		ɬ̪	ɻ̪	L̪				

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
ʘ Bilabial	b Bilabial	,
Dental	d Dental/alveolar	Examples:
! (Post)alveolar	f Palatal	p' Bilabial
ǂ Palatoalveolar	g Velar	t' Dental/alveolar
Alveolar lateral	g' Uvular	k' Velar
		s' Alveolar fricative

OTHER SYMBOLS

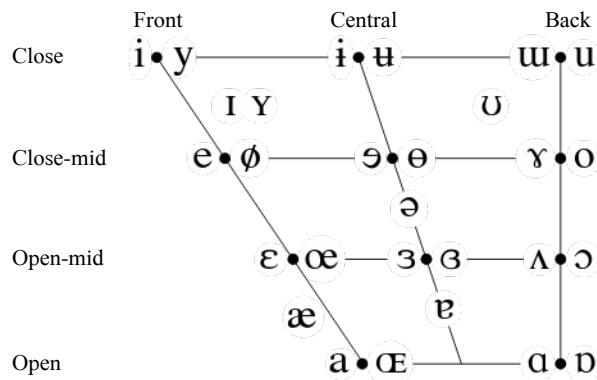
ʍ Voiceless labial-velar fricative	ç Z Alveolo-palatal fricatives
w Voiced labial-velar approximant	j̪ Voiced alveolar lateral flap
ɥ Voiced labial-palatal approximant	ʃ̪ Simultaneous ʃ and X
h Voiceless epiglottal fricative	Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.
ɸ Voiced epiglottal fricative	
ʗ Epiglottal plosive	

DIACRITICS

Voiceless	n̪ d̪	.. Breathy voiced	b̪ a̪	Dental	t̪ d̪
Voiced	ʂ̪ t̪	~ Creaky voiced	b̪ a̪	Apical	t̪ d̪
h Aspirated	t̪ʰ d̪ʰ	~ Linguolabial	t̪ ɖ̪	Laminal	t̪ ɖ̪
, More rounded	ɔ̪	W Labialized	t̪ʷ ɖ̪ʷ	~ Nasalized	ɛ̪
Less rounded	ɔ̪	j̪ Palatalized	t̪j̪ ɖ̪j̪	n̪ Nasal release	d̪n̪
Advanced	u̪	Y Velarized	t̪y̪ ɖ̪y̪	l̪ Lateral release	d̪l̪
Retracted	e̪	ɻ̪ Pharyngealized	t̪ɻ̪ ɖ̪ɻ̪	˥ No audible release	d̪˥
Centralized	ë̪	~ Velarized or pharyngealized	ɻ̪		
Mid-centralized	ɛ̪	↑ Raised	ɛ̪ (j̪ = voiced alveolar fricative)		
Syllabic	n̪	↓ Lowered	ɛ̪ (β̪ = voiced bilabial approximant)		
Non-syllabic	e̪	→ Advanced Tongue Root	e̪		
Rhoticity	ə̪ a̪	← Retracted Tongue Root	e̪		

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

VOWELS



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

ts kp

SUPRASEGMENTALS

' Primary stress	founə'tɪʃən
՚ Secondary stress	
፣ Long	eː
՚ Half-long	e'
՚ Extra-short	ě
՚ Minor (foot) group	
՚՚ Major (intonation) group	
· Syllable break	.ju.ækt
‿ Linking (absence of a break)	

TONES AND WORD ACCENTS

LEVEL	CONTOUR
ጀ or ገ Extra high	ጀ or እ Rising
ጀ High	ጀ Falling
ጀ Mid	ጀ High rising
ጀ Low	ጀ Low rising
ጀ Extra low	ጀ Rising-falling
ጀ Downstep	ጀ Global rise
ጀ Upstep	ጀ Global fall