

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

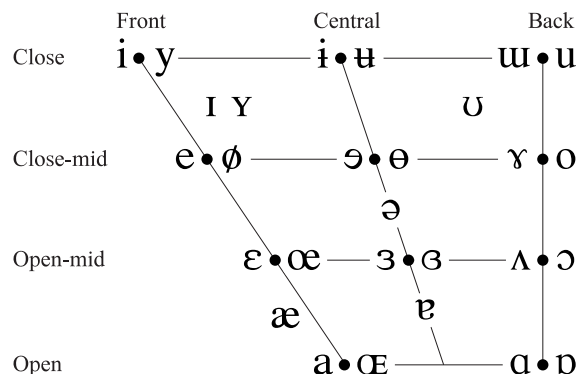
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b		t d			ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ	n			ɳ	ɲ	ŋ	ɴ		
Trill	ʙ		r						ʀ		
Tap or Flap		ⱱ	ɾ			ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative			ɬ ɮ								
Approximant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

VOWELS



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

OTHER SYMBOLS

ʍ Voiceless labial-velar fricative	ɕ ʑ Alveolo-palatal fricatives
ʋ Voiced labial-velar approximant	ɺ Voiced alveolar lateral flap
ɥ Voiced labial-palatal approximant	ɥ̟ Simultaneous ɥ and ɤ
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	
ʡ Epiglottal plosive	

ts kp

SUPRASEGMENTALS

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

DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. $\overset{\circ}{\eta}$

◌ Voiceless	n̥ d̥	ː Breathy voiced	b̤ ɖ̤	̪ Dental	t̪ d̪
̣ Voiced	ṣ ṭ	̰ Creaky voiced	b̰ ɖ̰	̺ Apical	t̺ d̺
ḥ Aspirated	tʰ dʰ	̱ Linguolabial	ṯ ḏ	̠ Laminal	t̠ d̠
ɔ̹ More rounded	ɔ̹	ʷ Labialized	tʷ dʷ	̃ Nasalized	ẽ
ɔ̜ Less rounded	ɔ̜	j̟ Palatalized	tʲ dʲ	ⁿ Nasal release	dⁿ
+ Advanced	ɯ̟	ʏ̟ Velarized	tʏ̟ dʏ̟	ˡ Lateral release	dˡ
͡ Retracted	e͡	̠̚ Pharyngealized	t̠̚ d̠̚	̚ No audible release	d̚
̠̞ Centralized	ë̠̞	̠̞̚ Velarized or pharyngealized	ɫ̠̞̚		
× Mid-centralized	ẽ̘	̝ Raised	e̝ (ɨ̝ = voiced alveolar fricative)		
̽ Syllabic	ɳ̽	̞ Lowered	e̞ (β̞ = voiced bilabial approximant)		
̍ Non-syllabic	e̍	̤ Advanced Tongue Root	e̤		
̎ Rhoticity	ə̎ ɑ̎	̦ Retracted Tongue Root	e̦		

TONES AND WORD ACCENTS

LEVEL		CONTOUR	
ẽ or ʘ	Extra high	ẽ or ʘ	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