

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 j	k g	q ɣ			?
Nasal	m	m̪	n		n̪	n̥	ŋ	N			
Trill		B		r					R		
Tap or Flap		v̤		f̤		l̤					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	s̪ z̪	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɺ							
Approximant		v̥		ɹ̥		ɻ̥	j̥	w̥			
Lateral approximant				l̥		ɻ̥	ɻ̥	L̥			

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	ɓ Bilabial	,
Dental	ɗ Dental/alveolar	’ Examples:
ǃ (Post)alveolar	ʄ Palatal	p’ Bilabial
ǂ Palatoalveolar	ɠ Velar	t’ Dental/alveolar
ǁ Alveolar lateral	ʄ' Uvular	k’ Velar
		s’ Alveolar fricative

OTHER SYMBOLS

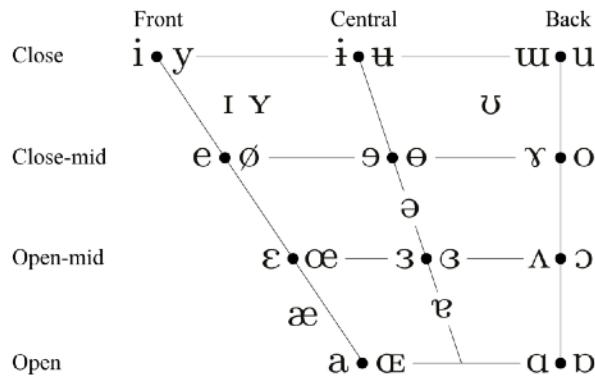
ʍ Voiceless labial-velar fricative	ç ʐ Alveolo-palatal fricatives
w Voiced labial-velar approximant	ɿ Voiced alveolar lateral flap
ɥ Voiced labial-palatal approximant	ʃ ʒ Simultaneous ʃ and ʒ
হ Voiceless epiglottal fricative	Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.
ঁ Voiced epiglottal fricative	
ঁ Epiglottal plosive	

DIACRITICS

Voiceless	ն դ	Breathy voiced	բ ա	Dental	տ դ
Voiced	ս տ	Creaky voiced	բ ա	Apical	տ դ
h Aspirated	թ ձ	Linguolabial	տ ձ	Laminal	տ ձ
More rounded	զ	ʷ Labialized	տ զ	~ Nasalized	է
Less rounded	զ	j Palatalized	տ յ	ն Nasal release	դն
Advanced	ւ	y Velarized	տ յ	լ Lateral release	դլ
Retracted	է	f Pharyngealized	տ ֆ	դ No audible release	դ
Centralized	ې	~ Velarized or pharyngealized	դ		
Mid-centralized	ঁ	Raised	ঁ	(ঁ = voiced alveolar fricative)	
Syllabic	ঁ	Lowered	ঁ	(ঁ = voiced bilabial approximant)	
Non-syllabic	ঁ	Advanced Tongue Root	ঁ		
Rhoticity	ঁ া	Retracted Tongue Root	ঁ		

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

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	ɛ
Minor (foot) group	
Major (intonation) group	
· Syllable break	.xi.ækt
‿ Linking (absence of a break)	

TONES AND WORD ACCENTS

LEVEL	CONTOUR
é or ে	Extra high
é	High
ē	Mid
è	Low
ë	Extra low
↓	Downstep
↑	Upstep
↗	Global rise
↘	Global fall

Common IPA Symbols for American English

Vowels	Glides & Diphthongs	Plosives & Flaps	Fricatives & Affricates	Nasals & Liquids
[i] bee <u>ɛ</u>	[j] yes	[p] spin	[f] few	[m] my
[ɪ] kit	[w] we	[t] stay	[v] view	[n] now
[eɪ] face	[aʊ] cow <u>ə</u>	[k] skip	[θ] think	[ŋ] sing
[ɛ] pet	[oɪ] boy	[pʰ] pit	[ð] that	[l] lot
[æ] ash	[aɹ̩] lie	[tʰ] tin	[s] sink	[ɿ] ball
[ʌ] cup	[kʰ] cat	[z] zoo	[ɹ] red	
[ə] about	[b] about	[ʃ] ship		
[ɑ] lot	[d] adore	[ʒ] measure		
[ɔ] thought	[g] ago	[h] hit		
[oʊ] goat	[r] butter	[tʃ] chop		
[ʊ] foot	[ɹ] button	[dʒ] bridge		
[u] goose		[?] better		