

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

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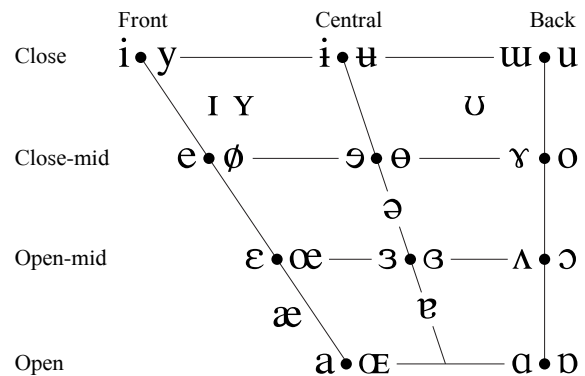
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b		t d			ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ	n			ɳ	ɲ	ŋ	ɴ		
Trill	ʙ		r						ʀ		
Tap or Flap		ⱱ	ɾ			ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. **ŋ̥**

◌̥ Voiceless	◌̤ ◌̦	◌̬ Breathy voiced	◌̨ ◌̩	◌̪ Dental	◌̫ ◌̬
◌̦ Voiced	◌̧ ◌̨	◌̥ Creaky voiced	◌̩ ◌̪	◌̫ Apical	◌̬ ◌̭
◌̧ Aspirated	◌̨ ◌̩	◌̪ Linguolabial	◌̫ ◌̬	◌̭ Laminal	◌̮ ◌̯
◌̩ More rounded	◌̪	◌̫ Labialized	◌̬ ◌̭	◌̮ Nasalized	◌̯ ◌̰
◌̪ Less rounded	◌̫	◌̬ Palatalized	◌̭ ◌̮	◌̯ Nasal release	◌̰ ◌̱
◌̫ Advanced	◌̬	◌̭ Velarized	◌̮ ◌̯	◌̱ Lateral release	◌̲ ◌̳
◌̬ Retracted	◌̭	◌̮ Pharyngealized	◌̯ ◌̰	◌̲ No audible release	◌̳ ◌̴
◌̭ Centralized	◌̮	◌̯ Velarized or pharyngealized	◌̰ ◌̱		
◌̮ Mid-centralized	◌̯	◌̱ Raised	◌̲ (◌̳ = voiced alveolar fricative)		
◌̯ Syllabic	◌̰	◌̲ Lowered	◌̳ (◌̴ = voiced bilabial approximant)		
◌̰ Non-syllabic	◌̱	◌̳ Advanced Tongue Root	◌̴ ◌̵		
◌̱ Rhoticity	◌̲ ◌̳	◌̴ Retracted Tongue Root	◌̵ ◌̶		

SUPRASEGMENTALS

ˈ Primary stress	ˌ Secondary stress
ː Long	ˑ Half-long
˚ Extra-short	˘ Minor (foot) group
˙ Major (intonation) group	˘˙ Syllable break
˘˙ Linking (absence of a break)	

TONES AND WORD ACCENTS

LEVEL	CONTOUR
˥ or ˦ Extra high	˥˥ or ˦˦ Rising
˧ High	˧˥ Falling
˨ Mid	˨˥ High rising
˩ Low	˩˥ Low rising
˩˥ Extra low	˩˥˩ Rising-falling
˩˥˩ Downstep	˩˥˩˥ Global rise
˩˥˩˥ Upstep	˩˥˩˥˩ Global fall

Common IPA Symbols for American English

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