

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		t̪ d̪	c ɟ	k g	q ɢ			? ʗ
Nasal	m	m̪	n		ɳ	n̪	ɳ̪		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 y	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: p' Bilabial
! (Post)alveolar	f Palatal	t' Dental/alveolar
ǂ Palatoalveolar	g Velar	k' Velar
ǁ Alveolar lateral	G Uvular	s' Alveolar fricative

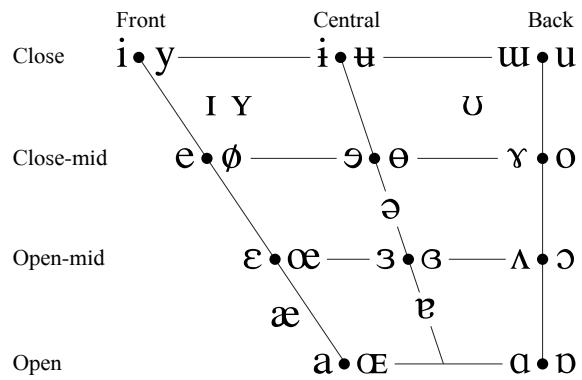
OTHER SYMBOLS

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 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.
ʕ Voiced epiglottal fricative	
ʢ Epiglottal plosive	

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

o Voiceless	ɳ ɖ	.. Breathy voiced	b a	▫ Dental	t̪ d̪
⌄ Voiced	ʂ ʈ	~ Creaky voiced	b a	▫ Apical	t̪ d̪
h Aspirated	tʰ dʰ	~ Linguolabial	t̪ d̪	▫ Laminal	t̪ d̪
, More rounded	ڙ	ʷ Labialized	tʷ dʷ	~ Nasalized	ڦ
ڻ Less rounded	ڙ	j Palatalized	tj dj	ڻ Nasal release	d̪n
ڻ Advanced	ڻ	ڻ Velarized	tڻ dڻ	ڻ Lateral release	d̪l
ڻ Retracted	ڻ	ڻ Pharyngealized	tڻ dڻ	ڻ No audible release	d̪
ڻ Centralized	ڻ	~ Velarized or pharyngealized	ڻ		
ڻ Mid-centralized	ڻ	ڻ Raised	ڻ (ڻ = voiced bilabial approximant)		
ڻ Syllabic	ڻ	ڻ Lowered	ڻ (ڻ = voiced bilabial approximant)		
ڻ Non-syllabic	ڻ	ڻ Advanced Tongue Root	ڻ		
ڻ Rhoticity	ڻ a	ڻ Retracted Tongue Root	ڻ		

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	.j.i.ækt
՚ Linking (absence of a break)	

TONES AND WORD ACCENTS

LEVEL	CONTOUR
é or ՚ Extra high	ě or ՚ Rising
é ՚ High	ê ՚ Falling
é ՚ Mid	ě ՚ High rising
è ՚ Low	ě ՚ Low rising
é ՚ Extra low	ě ՚ Rising-falling
↓ Downstep	↗ Global rise
↑ Upstep	↘ Global fall

Common IPA Symbols for American English

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