

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

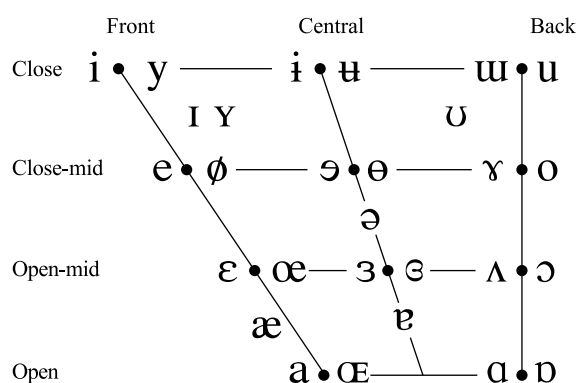
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b		t d			ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ	n			ɳ	ɲ	ŋ	ɴ		
Trill	ʙ		r						ʀ		
Tap or Flap		ⱱ	ɾ			ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative			ɬ ɮ								
Approximant		ʋ	ɹ			ɻ	j	ɰ			
Lateral approximant			l			ɭ	ʎ	ʟ			

Where symbols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.

CONSONANTS (NON-PULMONIC)

Clicks		Voiced implosives		Ejectives	
◌ǀ	Bilabial	◌ɓ	Bilabial	◌ʼ	Examples:
◌ǃ	Dental	◌ɗ	Dental/alveolar	◌pʼ	Bilabial
◌ǂ	(Post)alveolar	◌ɗ	Palatal	◌tʼ	Dental/alveolar
◌ǁ	Palatoalveolar	◌ɠ	Velar	◌kʼ	Velar
◌ǁ	Alveolar lateral	◌ɠ	Uvular	◌sʼ	Alveolar fricative

VOWELS



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

OTHER SYMBOLS

ʌ	Voiceless labial-velar fricative	ɕ ʑ	Alveolo-palatal fricatives
ʋ	Voiced labial-velar approximant	ɭ	Voiced alveolar lateral flap
ɸ	Voiced labial-palatal approximant	ɥ	Simultaneous ɥ and ɥ
ħ	Voiceless epiglottal fricative		
ʕ	Voiced epiglottal fricative		Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.
ʡ	Epiglottal plosive		

Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

kp ts

SUPRASEGMENTALS

	Primary stress	
	Secondary stress	
		ˌfoʊnəˈtɪʃən
ː	Long	eː
ˑ	Half-long	eˑ
◌	Extra-short	ĕ
	Minor (foot) group	
	Major (intonation) group	
.	Syllable break	ˌi.ækt
◌	Linking (absence of a break)	

DIACRITICS Diacritics may be placed above a symbol with a descender, e.g. $\mathfrak{h}^{\circ}$

$\emptyset$	Voiceless	$\text{ᵀ} \quad \text{ᵈ}$	..	Breathily voiced	$\text{ᵇ} \quad \text{ᵃ}$	̚	Dental	$\text{ᵗ} \quad \text{ᵔ}$
$\checkmark$	Voiced	$\text{ᶑ} \quad \text{ᶒ}$	~	Creaky voiced	$\text{ᵇ̰} \quad \text{ᵃ̰}$	̜	Apical	$\text{ᵗ̟} \quad \text{ᵔ̟}$
h	Aspirated	$\text{ᵀʰ} \quad \text{ᵈʰ}$	$\sim$	Linguolabial	$\text{ᵗ̼} \quad \text{ᵔ̼}$	̤	Laminal	$\text{ᵗ̪} \quad \text{ᵔ̪}$
ɔ	More rounded	ᵓ	w	Labialized	$\text{ᵀʷ} \quad \text{ᵈʷ}$	$\sim$	Nasalized	$\tilde{\text{e}}$
ç	Less rounded	ᵕ	j	Palatalized	$\text{ᵗʲ} \quad \text{ᵔʲ}$	n	Nasal release	d^n
+	Advanced	ᵁ	V	Velarized	$\text{ᵀ˞} \quad \text{ᵈ˞}$	l	Lateral release	d^l
—	Retracted	ᵂ	ʕ	Pharyngealized	$\text{ᵀˤ} \quad \text{ᵈˤ}$	ˠ	No audible release	$\text{d}^\text{ˠ}$
:	Centralized	ᝐ	~	Velarized or pharyngealized	ᵔ			
$\times$	Mid-centralized	ᝑ	ɹ	Raised	ᝑ (ɹ = voiced alveolar fricative)			
ı	Syllabic	ᵿ	ɻ	Lowered	ᝑ̥ (β = voiced bilabial approximant)			
◌	Non-syllabic	ᝑ̥	ɹ	Advanced Tongue Root	ᝑ̥			
~	Rhoticity	$\text{ᝑ̥} \quad \text{ᝑ̥}$	ɹ	Retracted Tongue Root	ᝑ̥			

TONES AND WORD ACCENTS
LEVEL CONTOUR

é _{or}	⌈	Extra high	ě _{or}	⌈	Rising
é	⌈	High	ê	∨	Falling
ē	⌈	Mid	ẽ	⌈	High rising
è	⌈	Low	ẽ	⌈	Low rising
ě	⌈	Extra low	ẽ	⌈	Rising-falling
↓		Downstep	↗		Global rise
↑		Upstep	↘		Global fall