THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

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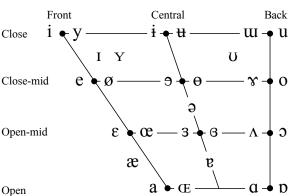
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosives	p b			t d		t d	Сђ	k g	q G		?
Nasal	m	m		n		η	ŋ	ŋ	N		
Trill	В			r					R		
Tap or Flap		V		ſ		t					
Fricative	φβ	f v	θð	S Z	∫ 3	ş z	çj	хү	χR	ħ ſ	h ĥ
Lateral fricative				4 В							
Approximant		υ		J		J	j	щ			
Lateral approximant				1		1	λ	L			

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		
0	Bilabial	6	Bilabial	,	Examples:	
	Dental	ď	Dental/alveolar	p'	Bilabial	
!	(Post)alveolar	f	Palatal	ť	Dental/alveolar	
#	Palatoalveolar	g	Velar	k'	Velar	
	Alveolar lateral	G	Uvular	s'	Alveolar fricative	

VOWELS



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

OTHER SYMBOLS

M Voiceless labial-velar fricative

Alveolo-palatal fricatives Ç Z

W Voiced labial-velar approximant

Voiced alveolar lateral flap

Voiced labial-palatal approximant

h Simultaneous \int and X

Voiceless epiglottal fricative

Voiced epiglottal fricative

Epiglottal plosive

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

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

	Voiceless	n d		Breathy voiced	bа		Dental	ţd
0	Voiced	şţ	••	Creaky voiced	b a	п	Apical	ţ d ţ d
h	Aspirated	$t^h d^h$	~	Linguolabial	$\frac{\tilde{z}}{\tilde{g}}$	-	Laminal	ţ d
,	More rounded	ş	w	Labialized	t ^w d ^w	~	Nasalized	ẽ
C	Less rounded	ý	j	Palatalized	t ^j d ^j	n	Nasal release	d^{n}
+	Advanced	ų	Y	Velarized	$t^{\gamma} d^{\gamma}$	1	Lateral release	d^{l}
_	Retracted	e	ç	Pharyngealized	t° d°	٦	No audible release	d٦
••	Centralized	ë	~	Velarized or phar	yngealized	1		
×	Mid-centralized	ě	_	Raised	ę (Į	= voi	ced alveolar fricative)	ı
	Syllabic	ę	+	Lowered	ęβ	= vo	riced bilabial approxin	nant)
^	Non-syllabic	ě	4	Advanced Tongue	e Root	ę		
1	Rhoticity	or ar	F	Retracted Tongue	Root	ę		

SUPRASEGMENTALS

Primary stress ,founə¹tı∫ən

Secondary stress

Long e

Half-long e'

ĕ Extra-short

Minor (foot) group

Major (intonation) group

Syllable break лі.ækt

Linking (absence of a break)

TONES AND WORD ACCENTS								
LEV	VEL	CONTOUR						
ő or ₹	Extra high	ě o	r /	Rising				
éٵ	High	ê	١	Falling				
ē ⊢	Mid	ĕ	1	High rising				
è 4	Low	ĕ	Y	Low rising				
ềJ	Extra low	ě	4	Rising- falling				
↓ Down	nstep	1	Globa	l rise				
† Upste	ep	Global fall						