

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

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	Bilabial 0070 0062	Labiodental	Dental	Alveolar 0074 0064	Postalveolar	Retroflex 0288 0256	Palatal 0063 025F	Velar 006B 0261	Uvular 0071 0262	Pharyngeal	Glottal 0294
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	006D m	0271 ɱ		006E n		0273 ɳ	0272 ɲ	014B ŋ	0274 ɴ		
Trill	0299 ʙ			0072 ʀ					0280 ʀ		
Tap or Flap		2C71 ɹ̥		027E ɾ		027D ɽ					
Fricative	ɸ β	f v	θ ð	0073 s z	007A ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative	0278 03B2	0066 0076	03B8 00F0	026C ɬ ɮ	0283 0292	0282 0290	00E7 029D	0078 0263	03C7 0281	0127 0295	0068 0266
Approximant		028B ʋ		0279 ɹ		027B ɻ	006A j	0270 ɰ			
Lateral approximant				006C ɭ		026D ɭ	028E ʎ	029F 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
0298 ǀ Bilabial	0253 ɓ Bilabial	02BC Examples:
01C0 ǃ Dental	0257 ɗ Dental/alveolar	p' Bilabial
01C3 ǂ Dental/alveolar	0284 ɸ Palatal	t' Dental/alveolar
01C2 ǁ Dental/alveolar	0260 ɠ Velar	k' Velar
01C1 ǁ Dental/alveolar lateral	029B ɠ Vular	s' Alveolar fricative

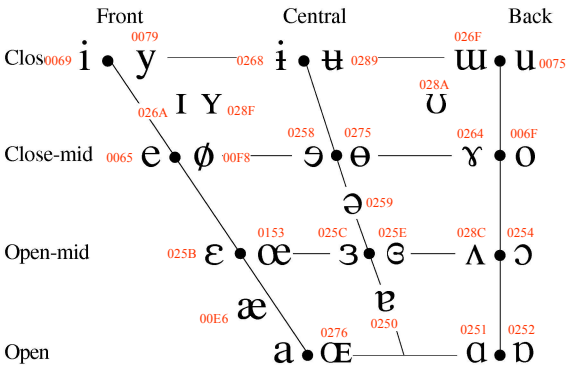
OTHER SYMBOLS

028D ɱ Voiceless labial-velar fricative	0255 ɸ Voiceless labial-velar fricative	0291 ɹ̥ Voiced alveolar lateral flap
0077 ɰ Voiced labial-velar approximant	027A ɹ̥ Voiced alveolar lateral flap	
0265 ɰ Voiced labial-palatal approximant	0267 ɰ Simultaneous ʃ and x	
029C ɸ Voiceless epiglottal fricative		
02A2 ɸ Voiced epiglottal fricative	Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.	
02A1 ɸ Epiglottal plosive		

DIACRITICS Diacritics may be placed above a symbol with a descender, e.g. ɲ̥

032S / 030A ɲ̥	0324 ɲ̥ Breathily voiced	032A ɲ̥ Dental
032C ɲ̥	0330 ɲ̥ Breathy voiced	033A ɲ̥ Dental
02B0 ɲ̥h Separated	033C ɲ̥h Dental	033B ɲ̥h Dental
0339 ɲ̥ rounded	02B7 ɲ̥w Dentalized	0305 ɲ̥h Dentalized
031C ɲ̥ rounded	02B2 ɲ̥j Dentalized	027F ɲ̥h Dental release
031F ɲ̥f Dentalized	02E0 ɲ̥h Dentalized	02E1 ɲ̥h Dental release
0320 ɲ̥h Dentalized	02E4 ɲ̥h Dentalized	031A ɲ̥h Audible release
0308 ɲ̥h Dentalized	0334 ɲ̥h Dentalized or pharyngealized	
031D ɲ̥h Dentalized	031D / 02D4 ɲ̥h Dentalized	(ɲ̥ = voiced alveolar fricative)
0329 ɲ̥h Dentalized	031E / 02D5 ɲ̥h Dentalized	(β̥ = voiced bilabial approximant)
032F ɲ̥h Dentalized	0318 ɲ̥h Dentalized	
02DE ɲ̥h Dentalized	0319 ɲ̥h Dentalized	

VOWELS



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

SUPRASEGMENTALS

02C8 ˈ Primary stress	
02CC ˈ Secondary stress	
02D0 ˈ Long	eː
02D1 ˈ Half-long	eˑ
0306 ˈ Extra-short	ẽ
007C ˈ Minor (foot) group	
0216 ˈ Major (intonation) group	
002E ˈ Syllable break	.i.ækt
023F ˈ Linking (absence of a break)	

TONES AND WORD ACCENTS

LEVEL	CONTOUR
030B ˈ Extra high	030C ˈ Rising
0301 ˈ 02E6 ˈ	0302 ˈ Falling
0304 ˈ 02E7 ˈ	0303 ˈ High rising
0300 ˈ 02E8 ˈ	0304 ˈ Low rising
030F ˈ Extra 02E9 ˈ	0305 ˈ Rising-falling
0293 ˈ Downstep	0297 ˈ Global rise
0291 ˈ Upstep	0298 ˈ Global fall