

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2005)

CONSONANTS (PULMONIC)

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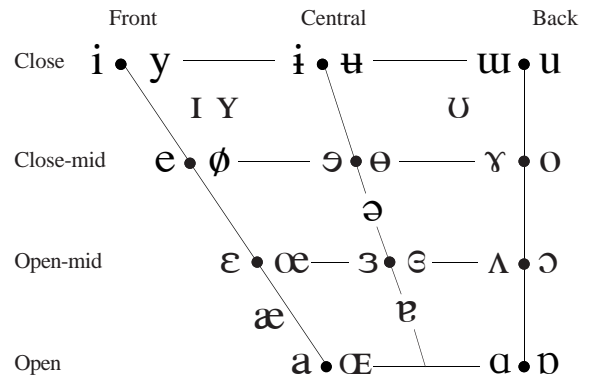
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

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

VOWELS



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

OTHER SYMBOLS

- ɱ** Voiceless labial-velar fricative
- ɰ** Voiced labial-velar approximant
- ɲ** Voiced labial-palatal approximant
- ħ** Voiceless epiglottal fricative
- ʕ** Voiced epiglottal fricative
- ʡ** Epiglottal plosive
- ɕ ʑ** Alveolo-palatal fricatives
- ɻ** Voiced alveolar lateral flap
- ɥ ʎ** Simultaneous **ɶ** and **X**
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

kp̚ ts̚

SUPRASEGMENTALS

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

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

◌̥ Voiceless	ᵿ ɖ̥	◌̤ Breathy voiced	ᵿ̤ ɖ̤	◌̦ Dental	ᵿ̦ ɖ̦
◌̦ Voiced	ᵿ̦ ɖ̦	◌̧ Creaky voiced	ᵿ̧ ɖ̧	◌̨ Apical	ᵿ̨ ɖ̨
◌̧ Aspirated	ᵿ̧ ɖ̧	◌̨ Linguolabial	ᵿ̨ ɖ̨	◌̩ Laminal	ᵿ̩ ɖ̩
◌̨ More rounded	ᵿ̨ ɖ̨	◌̪ Labialized	ᵿ̪ ɖ̪	◌̫ Nasalized	ᵿ̫ ɖ̫
◌̪ Less rounded	ᵿ̪ ɖ̪	◌̬ Palatalized	ᵿ̬ ɖ̬	◌̭ Nasal release	ᵿ̭ ɖ̭
◌̬ Advanced	ᵿ̬ ɖ̬	◌̮ Velarized	ᵿ̮ ɖ̮	◌̯ Lateral release	ᵿ̯ ɖ̯
◌̮ Retracted	ᵿ̮ ɖ̮	◌̰ Pharyngealized	ᵿ̰ ɖ̰	◌̱ No audible release	ᵿ̱ ɖ̱
◌̰ Centralized	ᵿ̰ ɖ̰	◌̲ Velarized or pharyngealized	ᵿ̲ ɖ̲		
◌̲ Mid-centralized	ᵿ̲ ɖ̲	◌̳ Raised	ᵿ̳ ɖ̳ (ɹ̳ = voiced alveolar fricative)		
◌̳ Syllabic	ᵿ̳ ɖ̳	◌̴ Lowered	ᵿ̴ ɖ̴ (β̴ = voiced bilabial approximant)		
◌̴ Non-syllabic	ᵿ̴ ɖ̴	◌̵ Advanced Tongue Root	ᵿ̵ ɖ̵		
◌̵ Rhoticity	ᵿ̵ ɖ̵	◌̶ Retracted Tongue Root	ᵿ̶ ɖ̶		

TONES AND WORD ACCENTS

- | | |
|--|---|
| <p>LEVEL</p> <ul style="list-style-type: none"> ᵻ̃ or ᵻ̥ Extra high ᵻ̄ High ᵻ̅ Mid ᵻ̆ Low ᵻ̇ Extra low ↓ Downstep ↑ Upstep | <p>CONTOUR</p> <ul style="list-style-type: none"> ᵻ̃ or ᵻ̄ Rising ᵻ̅ Falling ᵻ̆ High rising ᵻ̇ Low rising ᵻ̈ Rising-falling ↗ Global rise ↘ Global fall |
|--|---|

Speech Assessment Methods Phonetic Alphabet (SAMPA)

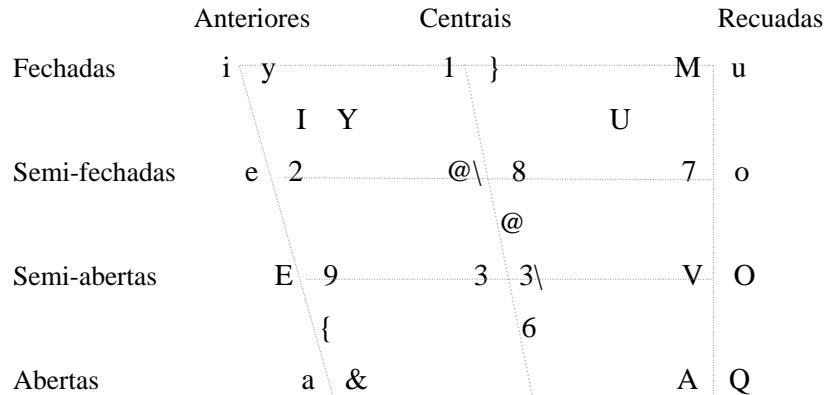
CONSOANTES (PULMONARES)

	Bilabial	Lábio-dental	Dental	Alveolar	Pós-alveolar	Retroflexa	Palatal	Velar	Uvular	Faríngea	Glotal
Oclusiva	p b		t d			ṭ ḍ	c ʝ	k g	q ɢ		ʔ
Nasal	m	F	n			ṇ	ɲ	ŋ	ɴ		
Vibrante	B̥		r						R̥		
Batimento			ɾ			ṛ					
Fricativa	p̥ B̥	f v	T D	s z	S Z	ṣ ẓ	C ʝ	x ɣ	X R	X̥ ʕ̥	h h̥
Fricativa Lateral			K K̥								
Aproximante		v̥	r̥			ṛ	j	M̥			
Aproximante lateral			l			ɭ	L	L̥			

OUTROS SÍMBOLOS

w Aproximante lábio-velar vozeada

VOGAIS



DIACRÍTICOS

_0	Não-vozeado
_h	Aspirado
_v	Vozeado
=	Silábico
˘	Rotacismo
_d	Dental
_a	Apical
~	Nasalizado

SUPRASEGMENTAIS

- " Acento principal
- % Acento secundário
- : Longo
- \ Ligação

Nota: Os suprasegmentais (acento principal e acento secundário) são colocados antes da sílaba acentuada. Os diacríticos são colocados depois do símbolo principal.

- ˘ ASCII 96
- ˘ ASCII 180
- " ASCII 34