

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

© 2015 IPA

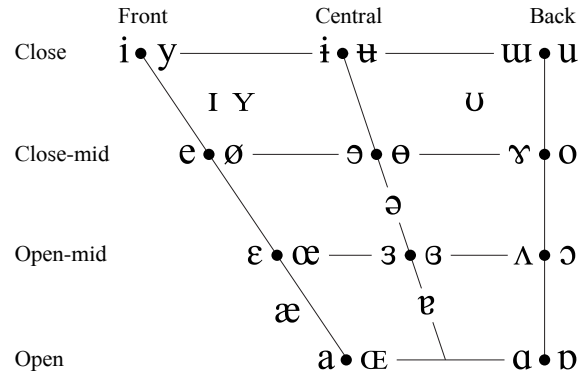
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

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	ɓ Bilabial	ʼ Examples:
◌ ǀ Dental	ɗ Dental/alveolar	pʼ Bilabial
◌ ǃ (Post)alveolar	ɟ Palatal	tʼ Dental/alveolar
◌ ǂ Palatoalveolar	ɡ 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

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

ts̠ k̠p̠

SUPRASEGMENTALS

- ˈ Primary stress ˌfounəˈtʃən
- ˑ Secondary stress
- ː Long eː
- ˑ Half-long eˑ
- ˘ Extra-short ɛ̘
- ◌ Minor (foot) group
- ◌ Major (intonation) group
- Syllable break .i.ækt
- ◌ Linking (absence of a break)

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

◌ Voiceless	ɲ̥ ɖ̥	◌ Breathy voiced	ɲ̤ ɖ̤	◌ Dental	t̪ d̪
◌ Voiced	ɲ̬ ɖ̬	◌ Creaky voiced	ɲ̰ ɖ̰	◌ Apical	t̺ d̺
◌ Aspirated	tʰ dʰ	◌ Linguolabial	t̟ d̟	◌ Laminal	t̻ d̻
◌ More rounded	ɔ̙	◌ Labialized	tʷ dʷ	◌ Nasalized	ẽ̃
◌ Less rounded	ɔ̜	◌ Palatalized	tʲ dʲ	◌ Nasal release	d̪ⁿ
◌ Advanced	ɯ̟	◌ Velarized	tˠ dˠ	◌ Lateral release	d̪ˡ
◌ Retracted	ɯ̠	◌ Pharyngealized	tˤ dˤ	◌ No audible release	d̪̚
◌ Centralized	ẽ̞	◌ Velarized or pharyngealized	ɫ		
◌ Mid-centralized	ẽ̝	◌ Raised	ɛ̠ (ɹ̠ = voiced alveolar fricative)		
◌ Syllabic	ɲ̩	◌ Lowered	ɛ̣ (β̣ = voiced bilabial approximant)		
◌ Non-syllabic	ɲ̥	◌ Advanced Tongue Root	ɛ̟		
◌ Rhoticity	ɻ̥ ɻ̬	◌ Retracted Tongue Root	ɛ̠		

TONES AND WORD ACCENTS

- | LEVEL | CONTOUR |
|--------------------|-------------------|
| é̥ or ɿ Extra high | ě̥ or ʌ Rising |
| é̇ High | ê̇ Falling |
| ē̇ Mid | ẽ̇ High rising |
| è̇ Low | ẽ̈ Low rising |
| è̘ Extra low | ẽ̉ Rising-falling |
| ↓ Downstep | ↗ Global rise |
| ↑ Upstep | ↘ Global fall |

