

**PULMONIC CONSONANT CHART: International Phonetic Alphabet (IPA)**  
**THE INTERNATIONAL PHONETIC ALPHABET (revised to 1993)**

CONSONANTS (PULMONIC)

	Bilabial	Labiodental	Dental			Alveolar			Postalveolar	Retroflex	Palatal		Velar	Uvular	Pharyngeal	Glottal
			Dental	Alveolar	Postalveolar	Alveolar	Postalveolar	Palatal			Velar					
Plosive	p b			t d					ʈ ɖ	c ɟ	k ɡ	q ɢ			ʔ	
Nasal	m	ɱ		n					ɳ	ɲ	ŋ	ɴ				
Trill	ʙ			ʀ									ʀ			
Tap or Flap				ɾ												
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ		ʂ ʐ	ʑ 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.

**Some extra symbols:**

- Palatalized:      ɽ ʁ    ɖ ʑ
- Labialized:      ɽʷ ʁʷ
- No audible release:      ɽ̚ | ɽ̚ |
- Affricates and double sounds:    k̟k̠ π̟π̠ t̟t̠ σ̟σ̠
- Retracted/backed:      k̠ = 1 =
- Voiceless:                      v̥ ʁ̥