

IPA consonants as pronounced by Bruce Hayes.

If you are a random Internet user who has stumbled on this page, I recommend official IPA sources for the maximally authoritative/authentic versions of these sounds. See <http://www2.arts.gla.ac.uk/IPA/ipa.html>. These particular renditions are intended simply as a help for my own students taking dictation exams from me. The sounds are pronounced in the following context: /' ___ a, 'a ___ a. I normally use a ligature: $\overset{\frown}{}$ for two-part symbols, but this doesn't seem to work on the Internet, so I leave it out here. Sounds that are in the IPA, but not included by me in tests, are shown in italics.

Click **high up** on the symbol to play it; this seems to be a problem with links in PDF documents. You may also find it useful to click the “magnify” button on the Adobe PDF Reader.

Students of Bruce Hayes may obtain a compact disk of this chart and its associated sound files by bringing a blank CD to his [office hours](#).

		Bilabial	Labio-dental	Linguo-Labial	(Inter-)Dental	Alveolar	Palato-Alveolar	Retroflex	Alveolo-Palatal	Palatal	Velar	Uvular	Pharyngeal	Epiglottal	Glottal
stops	voiceless	p		t̪	t̪	t	t	ʈ		c	k	q		ʔ	ʔ
	voiced	b		d̪	d̪	d	d	ɖ		ɟ	g	ɢ			
	ejective	pʼ		t̪ʼ	t̪ʼ	tʼ	tʼ	ʈʼ		cʼ	kʼ	qʼ			
	implosive	ɓ				ɗ				ɟ	ɠ	ɢ			
affricates	voiceless	pɸ	pf	t̪θ	t̪θ	ts	tʃ	tʂ	tɕ	cç	kx	qχ			
	voiced	bβ	bv	d̪ð	d̪ð	dz	dʒ	dʂ	dʑ	ʝ	gy	ɣʁ			
fricatives	voiceless	ɸ	f	θ̪	θ̪	s	ʃ	ʂ	ɕ	ç	x	χ	ħ	H	h
	voiced	β	v	ð̪	ð̪	z	ʒ	ʐ	ʑ	ʝ	ɣ	ʁ	ʕ	ɦ	ɦ
lateral fricatives	voiceless					ɬ									
	voiced					ɮ									
nasals	voiced	m	ɱ	ɳ	ɳ̪	n	ɲ	ɳ̺		ɲ	ŋ	ɴ			
trills		ʙ				r						ʀ			
taps/flaps						ɾ		ɽ							
approximants	central		ʋ			ɹ		ɻ		j	ɥ				
	lateral				ɻ̪	l	ɭ	ɭ̺		ʎ	ʟ				

- sʼ ejective s
- kp voiceless labial-velar stop
- gb voiced labial-velar stop
- ɱ voiceless labial-velar fricative
- w voiced labial-velar central approximant
- ɥ voiced labial-palatal central approximant
- ɭ alveolar lateral flap
- ʃ simultaneous f and x
- t̪ʃ voiceless lateral affricate
- dʒ voiced lateral affricate
- ɔ, gɔ, ŋɔ bilabial clicks
- ɓ, gɓ, ŋɓ dental click
- ɓ̪, gɓ̪, ŋɓ̪ postalveolar click
- ɓ̺, gɓ̺, ŋɓ̺ palato(-alveolar) click
- ɓ̺̪, gɓ̺̪, ŋɓ̺̪ lateral click