

# Rosetta Stone for IPA, X-SAMPA and TextIPA

## Pulmonic Consonants

	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p p p b b b			t t t d d d		\:t t' ṭ \:d d' ḍ	c c c \textbardotlessj J\ j	k k k g g g	q q q \;G G\ g		p ? ?
Nasal	m m m	M F ŋ		n n n		\:n n' ŋ	\textltailn J ɲ	N N ŋ	\;N N\ n		
Trill	\;B B\ b			r r r					\;R R\ r		
Tap/Flap				R ɾ r		\:r r' ɽ					
Fricative	F p\ φ B B β	f f f v v v	T T θ D D ð	s s s z z z	S S ʃ Z Z ʒ	\:s s' ʂ \:z z' ʐ	\c{c} C ç J j\ j	x x x G G ɣ	X X χ K R ʁ	\textcrh X\ ħ Q ?\ ʕ	h h h H h\ ɦ
Lateral Fricative				\textbeltl K ɬ \textlyoghlig K\ ɮ							
Approximant Lateral A.		V v\ v		\*r r\ ɹ l l l		\:R r' ɻ \:l l' ɭ	j j j L L ʎ	\textturnmrlg M\ ɰ \;L L\ ʟ			

## Other consonants

Clicks		Implosives	Ejectives	Coarticulated
\!o ɔ\ ɔ	Bilabial	\!b b_< ɓ Bilabial	' _> ' Examples:	\*w W ɱ Voiceless labial-velar fric.
l   \	Laminal alveolar / dental	\!d d_< d' Alveolar	p' p_> p' Bilabial	w w w Voiced labial-velar approx.
! ! \ !	Apical (post)alveolar	\!j J_< j' Palatal	t' t_> t' Alveolar	4 H ɥ Voiced labial-palatal approx.
\textdoublebarpipe = \ ‡	Laminal postalv. / palatoalv.	\!g g_< g' Velar	k' k_> k' Velar	C s\ c Voiceless alveopalatal fric.
\   \	Lateral coronal	\!G G_< G' Uvular	s' s_> s' Alveolar fric.	\textctz z\ z Voiced alveopalatal fric.

## Vowels

i i i	y y y	ɨ ɨ i	o } u	W M u	u u u
I I I	Y Y Y				U U u
e e e	\o 2 ø	9 @\ ɘ	8 8 ɵ	7 7 ɣ	o o o
E E ε	\oe 9 œ	@ @ ə			
\ae { æ		3 3 ɜ	\textcloserevepsilon 3\ ɜ	2 V ʌ	0 0 ɔ
a a a	\OE & œ	5 6 ɐ		A A ɑ	6 Q ɒ
		\ "a a_ " ä			

For each triplet, left to right: TIPA X-SAMPA IPA.