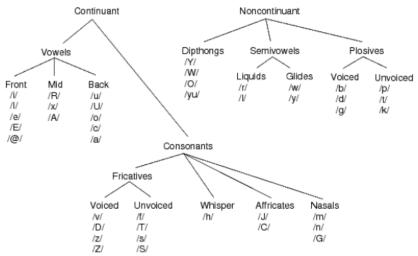


[Rabiner & Schafer, 1978]



http://cnx.org/content/m18086/latest/phoneme.png

Long vowels		Short vo	wels	Consonants			
SAMPA	IPA	SAMPA	IPA	SAMPA	IPA		
a:	aı	a	a	b	b		
e:	e:	E	3	d	d		
i:	i:	I	I	g	g		
o:	O:	0	Э	l	1		
u:	u:	U	υ	X	\mathbf{x}		
E:	13	Y	Y	r	χ, в		
2:	ø:	9	œ	m	$^{\mathrm{m}}$		
y:	y:	@	Э	n	$^{\rm n}$		
		6	В	s	S		

Table 3. Average formant frequency values of 10 English pure vowels

	ee	- 1	е	ae	ah	aw	U	00	Α	er
			F	irst Forr	nant Fre	quency				
Male:	270	390	530	660	730	570	440	300	640	490
Female:	310	430	610	860	850	590	470	370	760	500
			Se	cond Fo	rmant F	requenc	y			
Male:	2290	1990	1840	1720	1090	840	1020	870	1190	1350
Female:	2790	2480	2330	2050	1220	920	1160	950	1400	1640
			Т	hird For	mant Fro	equency	,			
Male:	3010	2550	2480	2410	2440	2410	2240	2240	2390	1690
Female:	3310	3070	2990	2850	2810	2710	2610	2670	2780	1960