

 Yes No

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The following table lists the International Phonetic Alpha phonemes, the Extended Speech Assessment Methods Ph (X-SAMPA) symbols, and the corresponding visemes for the voice supported by Amazon Polly.

For additional phonemes used in conjunction with Indian (hi-IN) ([./ph-table-hindi.html](#)) .

Phoneme/Viseme Table

IP A	X- SAMP A	Description	Ex le
Consonants			
b	b	voiced bilabial plosive	bε
d	d	voiced alveolar plosive	dɪ
ð	dZ	voiced postalveolar affricate	jʊ
θ	D	voiced dental fricative	th
f	f	voiceless labiodental fricative	fɪv
g	g	voiced velar plosive	gə
h	h	voiceless glottal fricative	hc
j	j	palatal approximant	ye
k	k	voiceless velar plosive	ca
l	l	alveolar lateral approximant	laɪ

IP	X-SAMP	Description	Ex-le
A	A		
l	l=	syllabic alveolar lateral approximant	ba
m	m	bilabial nasal	m
m̪	m=	syllabic bilabial nasal	an m
n	n	alveolar nasal	na
ɳ	n=	syllabic alveolar nasal	na
ɳ̪	N	velar nasal	th
p	p	voiceless bilabial plosive	pi
r̪	r\	alveolar approximant	re
s	s	voiceless alveolar fricative	se
f	S	voiceless postalveolar fricative	sh
t	t	voiceless alveolar plosive	ta
tʃ̪	tS	voiceless postalveolar affricate	ch
θ	T	voiceless dental fricative	th
v	v	voiced labiodental fricative	ve
w	w	labial-velar approximant	we
z	z	voiced alveolar fricative	ze
ʒ	Z	voiced postalveolar fricative	vis

Vowels

ə	@	mid central vowel	ar
əʊ	@U	diphthong	go
æ	{	near open-front unrounded vowel	tra
aɪ	al	diphthong	pr

IP	X-SAMP	Description	Example
A	A		
aʊ	aU	diphthong	mʌ
ɑ:	A:	long open-back unrounded vowel	fɑ:
eɪ	el	diphthong	faɪ
ɔ:	ɜ:	long open mid-central unrounded vowel	nʊ
ɛ	E	open mid-front unrounded vowel	dr
ɛə	E@	diphthong	sq
i:	i	long close front unrounded vowel	fleɪ
ɪ	I	near-close near-front unrounded vowel	kit
ɪə	I@	diphthong	neɪ
ɔ:	OI	long open-mid back rounded vowel	th
ɔ:	OI	Diphthong	ht
ɒ	Q	open back rounded vowel	lo
ʊ:	u:	long close-back rounded vowel	gʊ
ʊ	U	near-close near-back rounded vowel	foʊ
ʊə	U@	diphthong	cu
ʌ	V	Open-mid-back unrounded vowel	stɪ

Additional Symbols

'	"	primary stress	All marks
,	%	secondary stress	All marks

IP	X-SAMPA	Description	Example
A	.A	syllable boundary	A.m

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[Dutch \(Belgian\) \(nl-BE\)](#)

(<https://docs.aws.amazon.com/polly/latest/dg/ph-table-dut.html>)

Dutch phoneme guide covers IPA symbols, X-SAMPA, visemes, consonants, stress marking for Flemish voices.

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[English \(New Zealand\) \(en-NZ\)](#)

(<https://docs.aws.amazon.com/polly/latest/dg/ph-table-eng.html>)

New Zealand English voice phonemes, viseme descriptions, co pronunciation examples, stress/syllable boundary symbols cov pronunciation support noted.

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[English \(Welsh\) \(en-GB-WLS\)](#)

(<https://docs.aws.amazon.com/polly/latest/dg/ph-table-eng.html>)

Comprehensive phoneme guide for Welsh English voice, detail X-SAMPA symbols, descriptions, examples, visemes for vowels, stress, syllable boundaries.

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[Supported SSML tags](#)

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SSML tags enable controlling speech synthesis, including pause pronunciation, and audio effects.