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

For additional phonemes used in conjunction with Indian English (hi-IN) ([./ph-table-hindi.html](https://docs.aws.amazon.com/polly/latest/dg/ph-table-hindi.html)) .

Phoneme/Viseme Table			
IP	X-SAMPA	Description	Ex
A	A		le
Consonants			
b	b	voiced bilabial plosive	be
d	d	voiced alveolar plosive	di
ɖ	dʒ	voiced postalveolar affricate	ju
ð	D	voiced dental fricative	th
f	f	voiceless labiodental fricative	fi
g	g	voiced velar plosive	ga
h	h	voiceless glottal fricative	hc
j	j	palatal approximant	ye
k	k	voiceless velar plosive	ca
l	l	alveolar lateral approximant	la

IP A	X- SAMP A	Description	Ex le
l̥	l=	syllabic alveolar lateral approximant	ba
m	m	bilabial nasal	m
m̥	m=	syllabic bilabial nasal	an m
n	n	alveolar nasal	na
ɳ	n=	syllabic alveolar nasal	na
ŋ	N	velar nasal	th
p	p	voiceless bilabial plosive	pi
r̥	r\	alveolar approximant	re
s	s	voiceless alveolar fricative	se
ʃ	S	voiceless postalveolar fricative	sh
t	t	voiceless alveolar plosive	ta
tʃ	tS	voiceless postalveolar affricate	ch
θ	T	voiceless dental fricative	th
v	v	voiced labiodental fricative	ve
w	w	labial-velar approximant	w
z	z	voiced alveolar fricative	ze
ʒ	Z	voiced postalveolar fricative	vis
<b>Vowels</b>			
ə	@	mid central vowel	an
əʊ	@U	diphthong	go
æ	{	near open-front unrounded vowel	tra
aɪ	al	diphthong	pr

IP A	X- SAMP A	Description	Ex le
aʊ	aU	diphthong	m
ɑː	Aː	long open-back unrounded vowel	fa
eɪ	eɪ	diphthong	fa
ɜː	3ː	long open mid-central unrounded vowel	nu
ɛ	E	open mid-front unrounded vowel	dr
ɛə	E@	diphthong	sq
iː	i	long close front unrounded vowel	fle
ɪ	ɪ	near-close near-front unrounded vowel	kit
ɪə	ɪ@	diphthong	ne
ɔː	Oɪ	long open-mid back rounded vowel	th ht
ɔɪ	Oɪ	Diphthong	ch
ɒ	Q	open back rounded vowel	lo
uː	uː	long close-back rounded vowel	gc
ʊ	U	near-close near-back rounded vowel	fo
ʊə	U@	diphthong	cu
ʌ	V	Open-mid-back unrounded vowel	sti
<b>Additional Symbols</b>			
'	"	primary stress	Al m
,	%	secondary stress	Al m

IP A	X- SAMP A	Description	Ex le
.	.	syllable boundary	A. .m

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[Dutch \(Belgian\) \(nl-BE\)](#)  
(<https://docs.aws.amazon.com/polly/latest/dg/ph-table-dut>)

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>)

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

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[English \(Welsh\) \(en-GB-WLS\)](#)  
(<https://docs.aws.amazon.com/polly/latest/dg/ph-table-eng>)

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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