

Punjabi  
[pənˈʤaʙ.bi]

[github.com/cb-g/bhasa](https://github.com/cb-g/bhasa)

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# 1 Phonology

i:	long close front unrounded vowel
ɪ	near-close near-front unrounded vowel
e:	long close-mid front unrounded vowel
ɛ:	long open-mid front unrounded vowel
ə	mid central vowel
a:	long open central vowel
ɔ:	long open-mid back rounded vowel
o:	long close-mid back rounded vowel
ʊ	near-close near-back rounded vowel
u:	long close back rounded vowel
m	voiced bilabial nasal
n	voiced alveolar nasal
ɳ	voiced retroflex nasal
ɲ	voiced palatal nasal
ŋ	voiced velar nasal
p	voiceless bilabial plosive
p <sup>h</sup>	voiceless bilabial plosive (aspirated)
b	voiced bilabial plosive
t <sup>d</sup>	voiceless dental plosive
t <sup>dh</sup>	voiceless dental plosive (aspirated)
d <sup>d</sup>	voiced dental plosive
ɖ	voiceless retroflex plosive
ɖ <sup>h</sup>	voiceless retroflex plosive (aspirated)
ɗ	voiced retroflex plosive
tʃ	voiceless postalveolar affricate
tʃ <sup>h</sup>	voiceless postalveolar affricate (aspirated)
dʒ	voiced postalveolar affricate
k	voiceless velar plosive
k <sup>h</sup>	voiceless velar plosive (aspirated)
g	voiced velar plosive
q	voiceless uvular plosive
f	voiceless labiodental fricative
s	voiceless alveolar fricative
z	voiced alveolar fricative
ʃ	voiceless postalveolar fricative
x	voiceless velar fricative
ɣ	voiced velar fricative
h	voiceless glottal fricative
ʋ	voiced labiodental approximant
l	voiced alveolar lateral approximant
ɭ	voiced retroflex lateral approximant
j	voiced palatal approximant
ɾ	voiced alveolar tap/trill
ɽ	voiced retroflex flap

