

# THE INTERNATIONAL PHONETIC ALPHABET (revised to 2020)

## CONSONANTS (PULMONIC)

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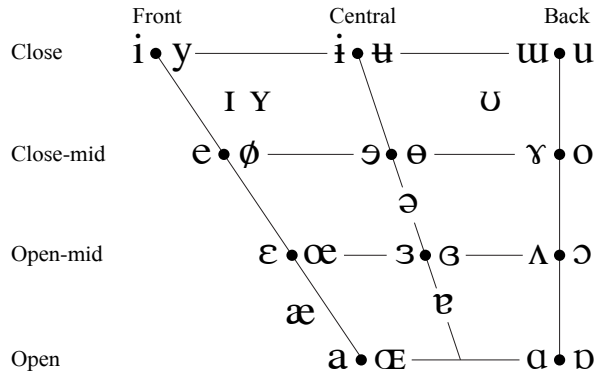
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	<b>p b</b>			<b>t d</b>		<b>ʈ ɖ</b>	<b>c ɟ</b>	<b>k ɡ</b>	<b>q ɢ</b>		<b>ʔ</b>
Nasal	<b>m</b>	<b>ɱ</b>		<b>n</b>		<b>ɳ</b>	<b>ɲ</b>	<b>ŋ</b>	<b>ɴ</b>		
Trill	<b>ʙ</b>			<b>r</b>					<b>ʀ</b>		
Tap or Flap		<b>ⱱ</b>		<b>ɾ</b>		<b>ɽ</b>					
Fricative	<b>ɸ β</b>	<b>f v</b>	<b>θ ð</b>	<b>s z</b>	<b>ʃ ʒ</b>	<b>ʂ ʐ</b>	<b>ç ʝ</b>	<b>x ɣ</b>	<b>χ ʁ</b>	<b>ħ ʕ</b>	<b>h ɦ</b>
Lateral fricative				<b>ɬ ɮ</b>							
Approximant		<b>ʋ</b>		<b>ɹ</b>		<b>ɻ</b>	<b>j</b>	<b>ɰ</b>			
Lateral approximant				<b>l</b>		<b>ɭ</b>	<b>ʎ</b>	<b>ʟ</b>			

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

## CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
<b>ɸ</b> Bilabial	<b>ɓ</b> Bilabial	' Examples:
<b>ǀ</b> Dental	<b>ɗ</b> Dental/alveolar	<b>p'</b> Bilabial
<b>ǃ</b> (Post)alveolar	<b>ɟ</b> Palatal	<b>t'</b> Dental/alveolar
<b>ǂ</b> Palatoalveolar	<b>ɡ</b> Velar	<b>k'</b> Velar
<b>ǁ</b> Alveolar lateral	<b>ɠ</b> Uvular	<b>s'</b> Alveolar fricative

## VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

## OTHER SYMBOLS

- ɱ** Voiceless labial-velar fricative
- ɮ** Alveolo-palatal fricatives
- ʋ** Voiced labial-velar approximant
- ɹ** Voiced alveolar lateral flap
- ɣ** Voiced labial-palatal approximant
- ɟ** Simultaneous **ʃ** and **x**
- ħ** Voiceless epiglottal fricative
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.
- ʕ** Voiced epiglottal fricative
- ʡ** Epiglottal plosive

**ts̺** **k̟p̠**

## SUPRASEGMENTALS

- ˈ** Primary stress
- ˌ** Secondary stress
- ː** Long
- ˑ** Half-long
- ˚** Extra-short
- ˘** Minor (foot) group
- ˙** Major (intonation) group
- Syllable break
- ◌◌** Linking (absence of a break)

**ˈfounəˈtʃən**

**eː**  
**eˑ**  
**e˚**

**ˌi.ækt**

## DIACRITICS

<b>◌◌</b> Voiceless	<b>◌◌̥</b>	<b>◌◌̤</b> Breathy voiced	<b>◌◌̜</b> <b>◌◌̝</b>	<b>◌◌̦</b> Dental	<b>◌◌̧</b> <b>◌◌̨</b>
<b>◌◌̣</b> Voiced	<b>◌◌̤</b> <b>◌◌̥</b>	<b>◌◌̜</b> Creaky voiced	<b>◌◌̝</b> <b>◌◌̞</b>	<b>◌◌̦</b> Apical	<b>◌◌̧</b> <b>◌◌̨</b>
<b>◌◌̩</b> Aspirated	<b>◌◌̪</b> <b>◌◌̫</b>	<b>◌◌̬</b> Linguolabial	<b>◌◌̭</b> <b>◌◌̮</b>	<b>◌◌̯</b> Laminal	<b>◌◌̰</b> <b>◌◌̱</b>
<b>◌◌̲</b> More rounded	<b>◌◌̳</b>	<b>◌◌̴</b> Labialized	<b>◌◌̵</b> <b>◌◌̶</b>	<b>◌◌̷</b> Nasalized	<b>◌◌̸</b>
<b>◌◌̹</b> Less rounded	<b>◌◌̺</b>	<b>◌◌̻</b> Palatalized	<b>◌◌̼</b> <b>◌◌̽</b>	<b>◌◌̾</b> Nasal release	<b>◌◌̿</b>
<b>◌◌̿</b> Advanced	<b>◌◌̽</b>	<b>◌◌̾</b> Velarized	<b>◌◌̾</b> <b>◌◌̿</b>	<b>◌◌̽</b> Lateral release	<b>◌◌̾</b>
<b>◌◌̾</b> Retracted	<b>◌◌̽</b>	<b>◌◌̾</b> Pharyngealized	<b>◌◌̾</b> <b>◌◌̿</b>	<b>◌◌̽</b> No audible release	<b>◌◌̾</b>
<b>◌◌̽</b> Centralized	<b>◌◌̾</b>	<b>◌◌̾</b> Velarized or pharyngealized	<b>◌◌̾</b>		
<b>◌◌̾</b> Mid-centralized	<b>◌◌̽</b>	<b>◌◌̾</b> Raised	<b>◌◌̾</b> ( <b>ɹ̥</b> = voiced alveolar fricative)		
<b>◌◌̽</b> Syllabic	<b>◌◌̾</b>	<b>◌◌̾</b> Lowered	<b>◌◌̾</b> ( <b>β̥</b> = voiced bilabial approximant)		
<b>◌◌̾</b> Non-syllabic	<b>◌◌̽</b>	<b>◌◌̾</b> Advanced Tongue Root	<b>◌◌̾</b>		
<b>◌◌̽</b> Rhoticity	<b>◌◌̾</b> <b>◌◌̿</b>	<b>◌◌̾</b> Retracted Tongue Root	<b>◌◌̾</b>		

Some diacritics may be placed above a symbol with a descender, e.g. **ɲ̨̥̜**

## TONES AND WORD ACCENTS

- | LEVEL                           | CONTOUR                          |
|---------------------------------|----------------------------------|
| <b>é</b> or <b>˥</b> Extra high | <b>ě</b> or <b>˩</b> Rising      |
| <b>é</b> <b>˥</b> High          | <b>ê</b> <b>˩</b> Falling        |
| <b>ē</b> <b>˥</b> Mid           | <b>ẽ</b> <b>˩</b> High rising    |
| <b>è</b> <b>˥</b> Low           | <b>ẽ</b> <b>˩</b> Low rising     |
| <b>è</b> <b>˥</b> Extra low     | <b>ẽ</b> <b>˩</b> Rising-falling |
| <b>˩</b> Downstep               | <b>↗</b> Global rise             |
| <b>˩</b> Upstep                 | <b>↘</b> Global fall             |