

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2020)

CONSONANTS (PULMONIC)

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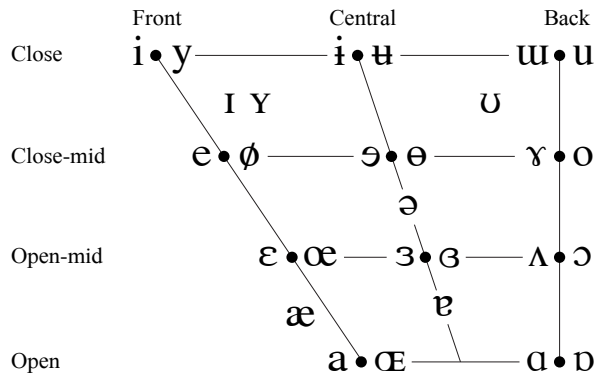
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k g	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x χ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant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

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
Ʉ Bilabial Ɉ Dental ǀ (Post)alveolar ǃ Palatoalveolar ǂ Alveolar lateral	ɓ Bilabial ɗ Dental/alveolar ɟ Palatal ɠ Velar ɢ Uvular	Examples: ɹ Bilabial ɽ Dental/alveolar ɰ Velar ɷ Alveolar fricative

VOWELS



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

OTHER SYMBOLS

- ʍ** Voiceless labial-velar fricative
- ɕ** **ʑ** Alveolo-palatal fricatives
- ʋ** Voiced labial-velar approximant
- ɺ** Voiced alveolar lateral flap
- ɥ** Voiced labial-palatal approximant
- ɧ** 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

ts **kp**

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
ẹ

DIACRITICS

◌ [◌] Voiceless	ɱ ɰ	◌ [◌] Breathy voiced	ɓ ɗ	◌ [◌] Dental	ɹ ɽ
◌ [◌] Voiced	ɶ ɷ	◌ [◌] Creaky voiced	ɸ β	◌ [◌] Apical	ɹ ɽ
h Aspirated	tʰ dʰ	◌ [◌] Linguolabial	ɸ β	◌ [◌] Laminal	ɹ ɽ
◌ [◌] More rounded	ɔ̞	◌ [◌] Labialized	tʷ dʷ	◌ [◌] Nasalized	ẽ
◌ [◌] Less rounded	ɔ̜	◌ [◌] Palatalized	tʲ dʲ	◌ [◌] Nasal release	dⁿ
◌ [◌] Advanced	ɥ	◌ [◌] Velarized	tˠ dˠ	◌ [◌] Lateral release	d^l
◌ [◌] Retracted	ɛ̠	◌ [◌] Pharyngealized	tˤ dˤ	◌ [◌] No audible release	dˀ
◌ [◌] Centralized	ẽ	◌ [◌] Velarized or pharyngealized	ɻ		
◌ [◌] Mid-centralized	ẽ	◌ [◌] Raised	ɛ̥ (ɹ̥ = voiced alveolar fricative)		
◌ [◌] Syllabic	ɱ	◌ [◌] Lowered	ɛ̜ (β̜ = voiced bilabial approximant)		
◌ [◌] Non-syllabic	ɱ̥	◌ [◌] Advanced Tongue Root	ɛ̠		
◌ [◌] Rhoticity	ɹ̥ ɹ̜	◌ [◌] Retracted Tongue Root	ɛ̠		

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