

# Greek

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## 1 Background

**Language family:**

- Indo-European
  - Hellenic/Greek

**Adopted variety:** Standard Modern Greek

## 2 Phonology

### 2.1 Consonants (Arvaniti 1999, p 1)

general mapping of phonemes and orthography

Table 1: Consonants

	Voicing	labial	O	dental	O	alveolar	O	velar	O
nasal		m	μ	n	ν				
	voiceless	p	π	t	τ			k	κ

stop	voiced	b	μπ	d	ντ			g	γκ
	voiceless	f	φ	θ	θ	s	σ/ς	x	χ
fricative	voiced	v	β	ð	ð	z	ζ	ɣ	γ
tap/trill						r	ρ		
approximant						l	λ		

## 2.2 Vowels (Arvaniti 1999)

/i ɛ ɐ o u/

## 3 Orthography

A, α, ά

B, β

Γ, γ

Δ, δ

E, ε, Έ, έ

Z, ζ

H, η, Ή, ή

Θ, θ

I, ι, Ί, ί, Ϊ, ῖ, ΐ, ῑ

K, κ

Λ, λ

M, μ

N, ν

Ξ,ξ

Ο,ο,Ο,ό

Π,π

Σ,ς/σ

Τ,τ

Υ,υ,Ύ,ύ,Ύ̈,ϋ̈,Ύ̈,ϋ̈

Φ,φ

Χ,χ

Ψ,ψ

Ω,ω,Ω,ώ

### 3.1 Correspondence between orthography and phonemes

- Most consonant mappings are shown in table 1, here are mappings for vowels, as well as consonant combinations that do not correspond to single phonemes.
- Stressed vowels (shown by stress markings as seen in ά,έ,ή,ί,ό,ύ,ώ) are represented as the ipa symbol followed by a “1”. e.g. /i1/

orthography	pronunciation
ξ	/ks/
ψ	/ps/
α	/e/
ά	/e1/
ω/o	/o/
ώ/ό	/o1/
ι/ϊ/η/υ/ϋ/οι/ει	/i/

orthography	pronunciation
ί/ῑ/ή/ύ/ῡ/οί/εί	/i1/
ε/αι	/ε/
έ/αί	/ε1/
ου	/u/
ού	/u1/
αυ	/ef/
αύ	/e1f/
ευ	/εv/
εύ	/ε1v/

## 4 Rules

### 4.1 Issues and representative phonological processes

1. Velar consonants /k/, /g/, /x/, /ɣ/ surface as palatal allophones [c], [ɟ], [ç], [j] in front of high vowels /i/ and /ε/
  - [+velar, +consonantal] -> [+palatal]/\_\_[+high, -consonantal]{\$ or [-back, -consonantal]}
  - [+velar, +consonantal][+high, -consonantal] -> [+palatal]/\_\_[+back, -consonantal]
  - does not changed the result of translation
2. Whether there are diphthongs

## **4.2 Lenition Processes**

### **References**

Arvaniti, Amalia. 1999. "Standard Modern Greek." *Journal of the International Phonetic Association* 29 (2): 167-72.