

# CroHarmonic Scales

## Composing Cinematic Music

Unified Modal Theory For

Double Harmonic Scale  
Byzantine/Arabic Scale  
Neopolitan Scale

Introducing new scales like  
Byzantine Dimished  
Byzantine Minor  
CroMelodic Scales



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# CroHarmonic Scales

## **Unified Modal Theory For:**

Double Harmonic Scale, Byzantine Scale, Arabic Scale

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# Introduction

## CroHarmonic Scales Overview

The Croharmonic scales consist of six related sets:

The **Croharmonic Major** and **Croharmonic Minor** are both based on the classical harmonic major and harmonic minor scales. Each set includes seven modes that correspond to different modal variants within the scale.

**The Croharmonic Major** historically known as the double harmonic, byzantine & arab major scale is derived from the harmonic Major scale with a flatened second (b2), compared to the standard major scale, creating distinctive intervals that give the scale a tense and slightly exotic character.

Its seven modes offer varied tonal colors, ranging from bright and stable to more ambiguous and mysterious, making them useful for diverse harmonic and melodic applications.

**The Croharmonic Minor** are collection of new & traditional scales. Called the **Neopolitan Minor Scale, Byzantine Diminished Scale and Byzantine Minor Scale**, All minor scales are derived from the harmonic minor scale but with a flatened second (b2) or flatened fourth (b4) which imparts a darker and more dramatic quality. Its seven modes similarly provide a broad palette of expressive moods, from introspective to intense, suitable for nuanced composition and improvisation.

Combining both the flatened second (b2) and flatened fourth (b4) creates the Byzantine Minor Scale complimenting the Byzantine & Arab Major Scale,

**The CroMelodic Scales** are natural melodic variants inspired by modifications of the croharmonic minor and major.

Together, these scales offer clear modal framework with unique intervallic structures that allow for exploration of altered harmonies while maintaining close ties to traditional music system.

# Chord Types

Major, Minor, Diminished, Augmented, Dissonant, Neutral Chords

**Major**

C - E - G

1-3-5

**Minor**

C - E $\flat$  - G

1- $\flat$ 3-5

**Diminished**

C - E $\flat$  - G $\flat$

1- $\flat$ 3- $\flat$ 5

**Diminished Major (Maj $\flat$ 5)**

C - E - G $\flat$

1-3- $\flat$ 5

**Augmented**

C - E - G $\sharp$

1-3- $\sharp$ 5

**Minor Augmented**

C - E $\flat$  - G $\sharp$

1- $\flat$ 3- $\sharp$ 5

**Dissonant**

C - E - F

1-3-4

**Dissonant Minor (dis minor)**

C - E $\flat$  - F

1- $\flat$ 3-4

**Quartal**

C - D - F

1-2-4

**Tritonal**

C - D - F $\sharp$

1-2- $\sharp$ 4

**Bass Quartal**

C - D $\flat$  - F

1- $\flat$ 2-4

**Bass Tritonal**

C - D $\flat$  - F $\sharp$

1- $\flat$ 2- $\sharp$ 4

**Bissecunda**

C - D $\flat$  - E

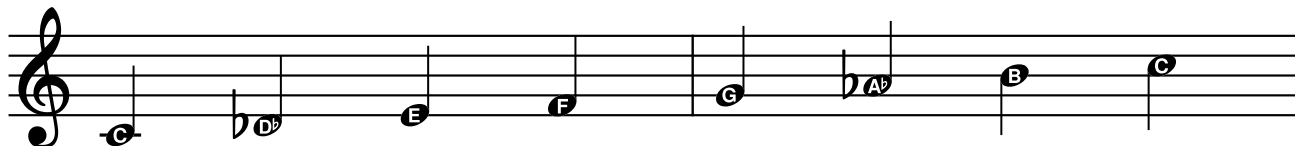
# CroHarmonic Major & Minor Scales

## ChroHarmonic Major Scale

Historically known as **Byzantine Scale**, Arabic Scale & Double Harmonic Scale

**Scale Degree Pattern:**

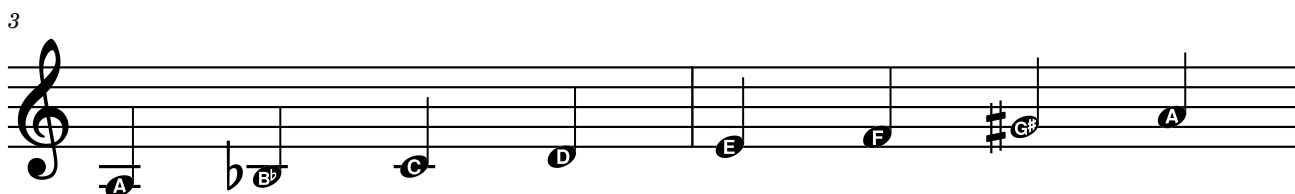
$\frac{1}{2} - 1\frac{1}{2} - \frac{1}{2} - 1 - \frac{1}{2} - 1\frac{1}{2} - \frac{1}{2}$



## CroHarmonic Natural Minor (Neopolitan Scale)

**Scale Degree Pattern:**

$\frac{1}{2} - 1 - 1 - 1 - \frac{1}{2} - 1\frac{1}{2} - \frac{1}{2}$

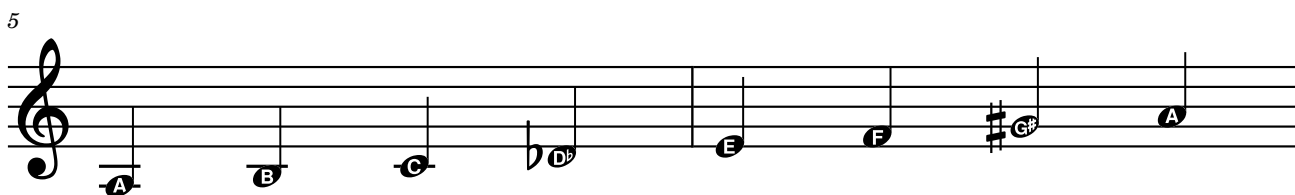


## Byzantine Diminished Scale (New)

This scale mirrors the harmonic major scale but with a lowered 4th. This combination blends elements of harmonic minor with chromatic alterations, creating a distinctive synthetic sound.

**Scale Degree Pattern:**

$1 - \frac{1}{2} - \frac{1}{2} - 1\frac{1}{2} - \frac{1}{2} - 1\frac{1}{2} - \frac{1}{2}$



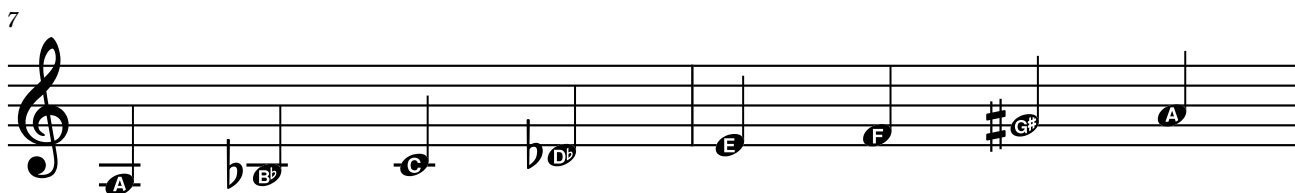
## Byzantine Minor (New)

Combining both the Neopolitan and Byzantine Diminished Scales

Creates the Byzantine Minor scale that truly compliments the sound of the Byzantine & Arabic Major Scale

**Scale Degree Pattern:**

$\frac{1}{2} - 1 - \frac{1}{2} - 1\frac{1}{2} - \frac{1}{2} - 1\frac{1}{2} - \frac{1}{2}$



# CroMelodic Major & Minor Scales

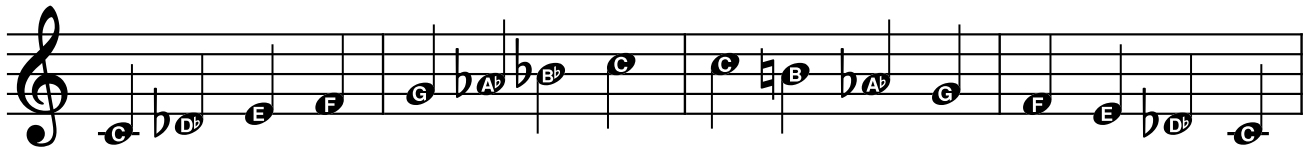
This variant lowers the 4th degree from a harmonic major-inspired scale and raises the 6th (F#), resulting in a unique chromatic interplay. The raised 6th adds a bright, almost Lydian-like character, while the lowered 4th provides a bluesy or exotic tension. The modes allow a mix of melodic colors suitable for jazz, fusion, and modern classical applications.

## CroMelodic Major Scale

**Scale Degree Pattern:**

$\frac{1}{2} - 1\frac{1}{2} - \frac{1}{2} - 1 - \frac{1}{2} - 1 - 1$

9

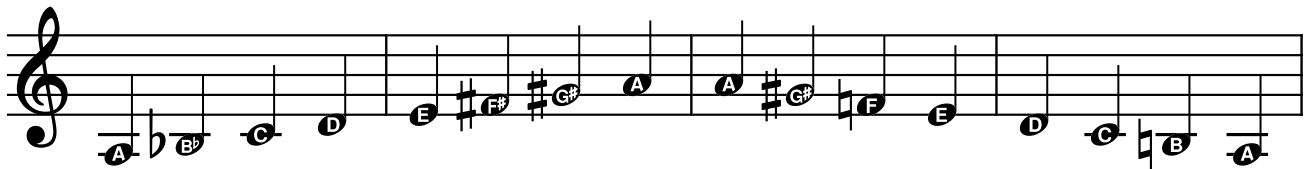


## CroMelodic Minor Scale (Natural Neopolitan)

**Scale Degree Pattern:**

$1\frac{1}{2} - \frac{1}{2} - 1 - 1 - 1 - 1 - \frac{1}{2}$

13

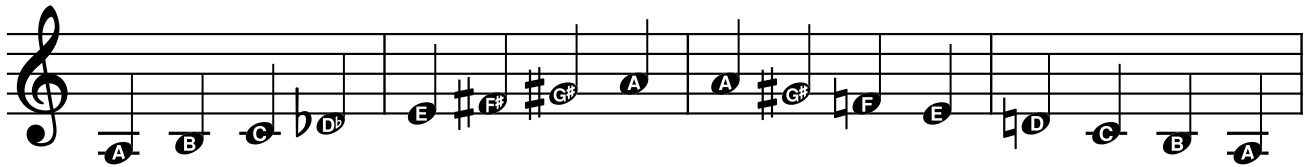


## CroMelodic Minor Scale (Byzantine Diminished)

**Scale Degree Pattern:**

$1 - \frac{1}{2} - \frac{1}{2} - 1\frac{1}{2} - 1 - 1 - \frac{1}{2}$

17



# CroHarmonic Major & Minor Chords

## Chords - CroHarmonic Major C

Scale Degree Pattern:

1 -  $\flat$ 2 - 3 - 4 - 5 -  $\flat$ 6 -  $\flat$ 7

$\text{♩} = 200$   
21

I	II	III	IV	V	VI	VII
<i>major</i>	<i>major</i>	<i>minor</i>	<i>minor</i>	<i>dim(maj)</i>	<i>aug</i>	<i>tritone</i>

## Chords - CroHarmonic A Minor (Neopolitan)

Scale Degree Pattern:

1 -  $\flat$ 2 - 3 - 4 - 5 - 6 -  $\sharp$ 7

28

I	II	III	IV	V	VI	VII
<i>minor</i>	<i>major</i>	<i>aug</i>	<i>minor</i>	<i>dim(maj)</i>	<i>major</i>	<i>tritone</i>

## Chords - CroHarmonic A Minor (Byzantine Diminished)

Scale Degree Pattern:

1 - 2 - 3 -  $\flat$ 4 - 5 - 6 -  $\sharp$ 7

35

I	II	III	IV	V	VI	VII
<i>minor</i>	<i>tritone</i>	<i>aug</i>	<i>aug</i>	<i>major</i>	<i>major</i>	<i>dis (minor)</i>

## Chords - CroHarmonic A Minor (Byzantine Minor)

Scale Degree Pattern:

1 -  $\flat$ 2 - 3 -  $\flat$ 4 - 5 - 6 -  $\sharp$ 7

42

I	II	III	IV	V	VI	VII
<i>minor</i>	<i>minor</i>	<i>aug</i>	<i>aug</i>	<i>dim(maj)</i>	<i>major</i>	<i>quartal</i>

# CroHarmonic Chord Progressions

## Chord Progression - CroHarmonic Major C

49

III IV VII VI IV VI

Pno.

## Chord Progression - A Minor (Natural Neopolitan)

55

I VI IV I II VI

Pno.

## Chord Progression - A Minor (Byzantine Diminished)

61

V VI VII II III I

Pno.

## Chord Progression - CroMelodic Major/Minor Modulation

67

Chromatic Major A Harmonic Minor CroMatic Minor (Byzantine A Minor) CroMatic Minor Pivot Chord (Byzantine G Minor)

Pno.

*Db major E minor F minor G dim(maj) G# dim G# quartal G dim*

# CroHarmonic Major Scale - Modes

74 Mode : ChroHarmonic Ionian



76 Mode 2 ChroHarmonic Dorian



78 Mode 3 : ChroHarmonic Phrygian



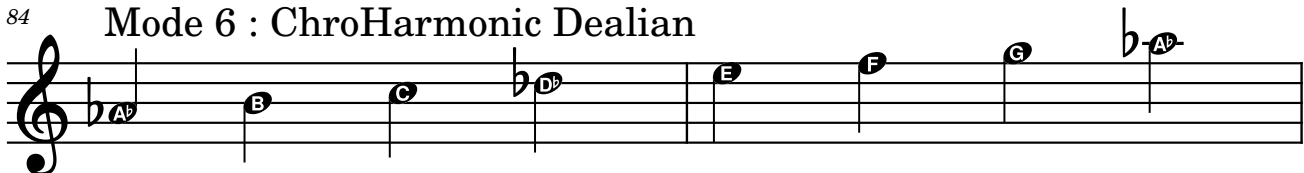
80 Mode 4 : ChroHarmonic Lydian



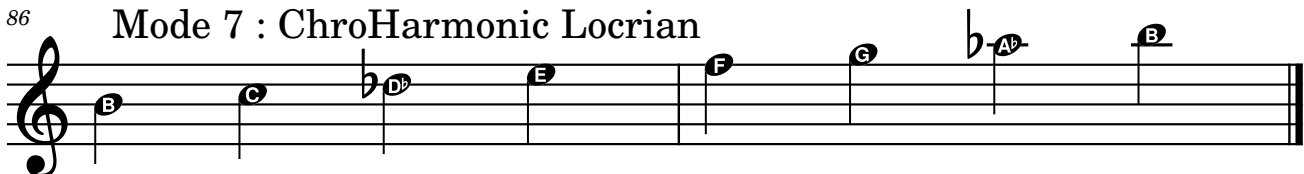
82 Mode 5 : ChroHarmonic Mixolydian



84 Mode 6 : ChroHarmonic Dealian



86 Mode 7 : ChroHarmonic Locrian



# About The Book

**Thank you** for joining us on this musical journey through the pages of this book!

As you continue to practice,  
explore new melodies, and create your own music,  
Don't be afraid to make mistakes, they're an important part of learning!  
Embrace the joy of music, and let your creativity shine through each performance.

We hope this book has inspired the reader to explore the world of music.  
Share your music with friends and family, and always remember to have fun!  
Happy playing, and may your musical adventures continue for years to come!

## About EasyPianoSheets

EasyPianoSheets was created by a music teacher from the Netherlands.  
These books are designed for teachers and students,  
with a focus on clear layouts and readability

