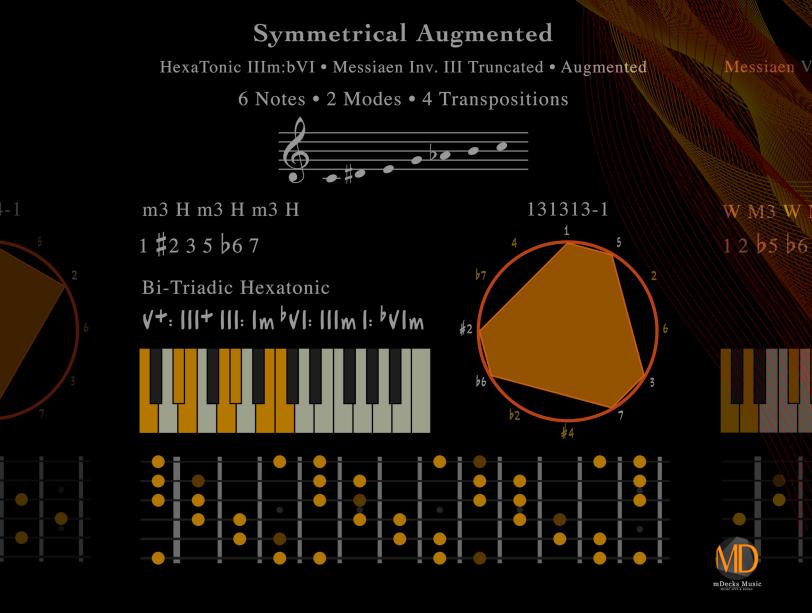
onian • Phrygian • Enigmatic • Messiaen 🕅

# The Universal Encyclopedia of Scales

## An in-depth account of all 2048 Scales in Music



2600 pages showing every scale over the circle of fifths, notated in twelve keys with piano keyboard & guitar fretboard. It includes intervallic formulas, symmetry, source scale and related modes

# The Universal Encyclopedia of Scales

An in-depth account of all 2048 Scales in Music

**mDecks Music** 

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### Preface

## "There are 2048 scales in music, no more, no less. 12 of them are intervals (scales with only two notes), and 344 of the other 2036 scales are source scales"

A complete encyclopedia of scales has always been on every musician's wish-list. There are many reasons why having a collection containing all scales in music fascinates us, but the most attractive one is that it is *universal*.

We all know that our twelve tone system (with only twelve different pitch-classes) must produce an exact amount of scales. A list with all possible scales in music must then be universal and unchanging. In fact, if well-organized, this list should offer much more than just a simple description of each scale. This list could should relationships between scales while cataloguing them based on different properties (symmetry, amount of notes and/or modes, source scales vs. modes of source scales, intervallic formulas, etc.)

With a complete encyclopedia of scales we can inave have the answers to many questions, such as:

How many scales are there in music and the tree to ev?

Which scales are the source scales and when are their related modes? (What are the related modes of any scale?)

Which scales are symmetric?

How many scales are there with only on : (or two, three, etc) mode(s), and which ones are they?

Which scales are pentatonic on by triadic hexatonic or truncated, etc.?

What is the scale represented by a specific intervallic formula?

What is the interval content of any scale? How dissonant or consonant a scale is? How many modes ones any one scale produce?

The creation of this universal encyclopedia of scales was made possible by using the concepts developed for the app <u>Tessitura Pro by mDecks Music</u>.

Tessitura Pro represents scales by graphing them over the circle of fifths. This graphing technique creates very distinct polygons. *Moving forward, we will refer to these polygons as graphs.* This technique allowed us to find all possible scales in music, studied their properties and classified scales using different criteria.

## **Master Index of Scales**

Select one of the options below

Index of Source Scales by Mode Count

Index of All Scales by Mode Count

Index of Source Scales by Note Count

Index of All Scales by Note Count

Index of Symmetrica, Source Scales

Index of Bi-relation of Bi-relationo

https://mDecks.com

## Index of Source Scales by Mode Count

Select one of the options below Click here to go back to the Master Index

Source Scales with 1 Mode

**Source Scales with 2 Modes** 

**Source Scales with 3 Modes** 

**Source Scales with 4 Modes** 

**Source Scales with 5 Modes** 

**Source Scales with 6 Modes** 

Source Scales with 7 Modes

Source Scales with 8 Modes

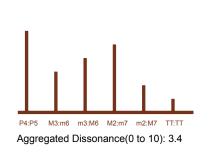
Source Scales with 9 Modes

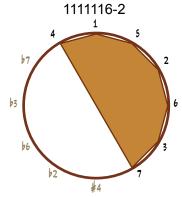
Source Scales with 10 Modes

**Source Scales with 11 Modes** 

#### Modes of 1111116

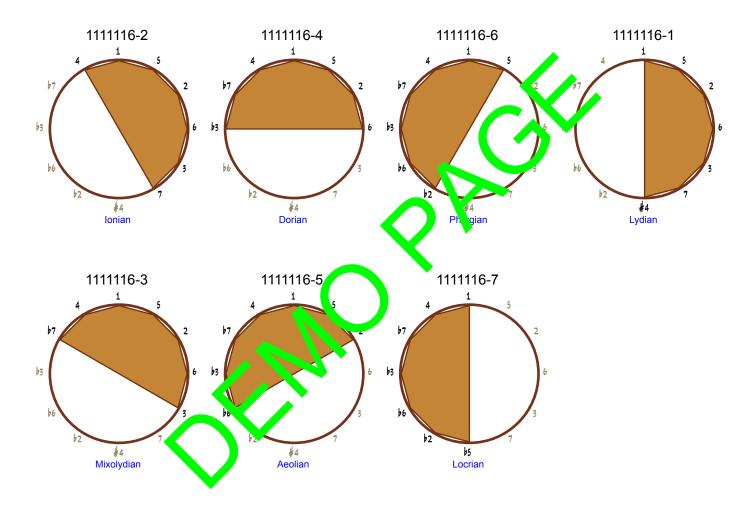
7 Notes • 7 Modes • 12 Transpositions Source Scale: Ionian Symmetrical: NO Bi-Triadic Hexatonic: NO





#### Click here to go back to Main Index

Click on any scale name (mode) to view it



#### https://mDecks.com

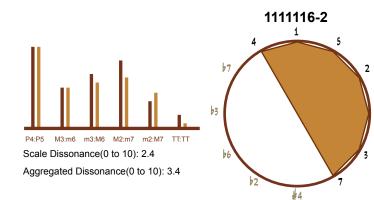
#### Ionian

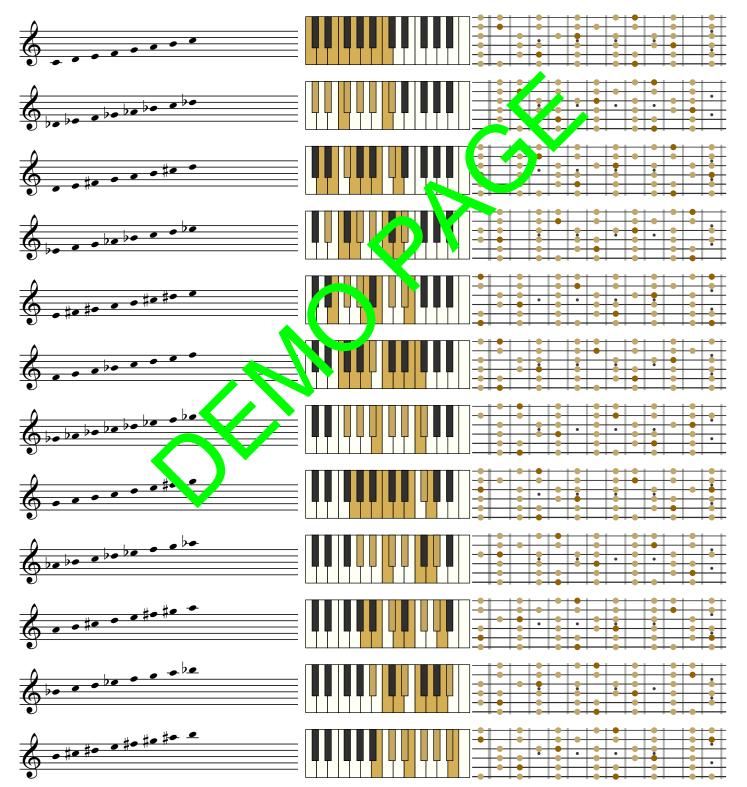
Ionian • Major • Mixolydian n7 • Lydian n4 •

#### View related modes

7 Notes • 7 Modes • 12 Transpositions Intervallic Formula: W W H W W H Degrees Formula: 1 2 3 4 5 6 7 Source Scale: Self Not a Symmetrical Scale Not a Bi-Triadic Hexatonic

Click here to go back to Main Index



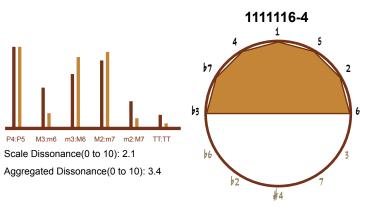


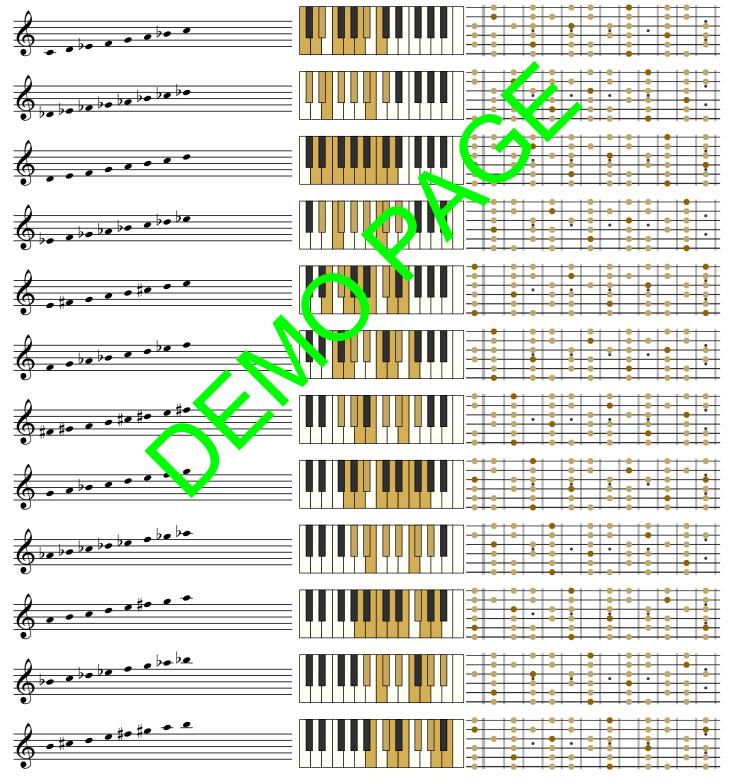
#### Dorian

Dorian • Mixolydian b3 • Aeolian n13 • Melodic Minor b7 •

#### View related modes

7 Notes • 7 Modes • 12 Transpositions Intervallic Formula: W H W W W H W Degrees Formula: 1 2 b3 4 5 6 b7 Source Scale: Ionian [2] Not a Symmetrical Scale Not a Bi-Triadic Hexatonic Click here to go back to Main Index





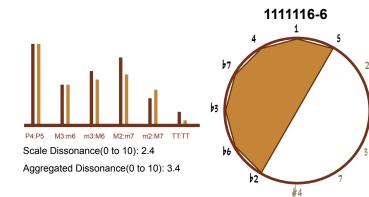
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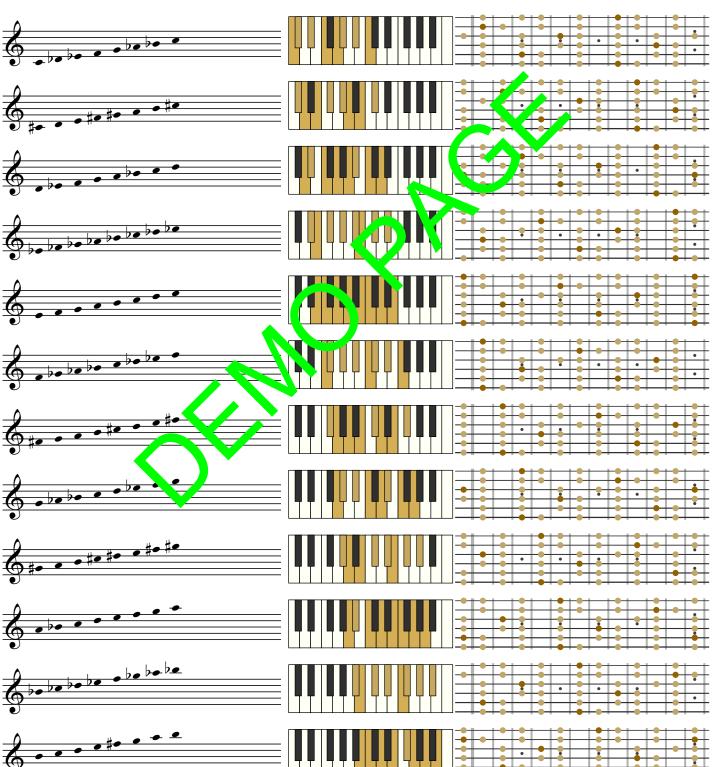
#### Phrygian

Phrygian • Aeolian b9 • Locrian n5 •

#### View related modes

7 Notes • 7 Modes • 12 Transpositions Intervallic Formula: H W W W H W W Degrees Formula: 1 b2 b3 4 5 b6 b7 Source Scale: Ionian [3] Not a Symmetrical Scale Not a Bi-Triadic Hexatonic Click here to go back to Main Index



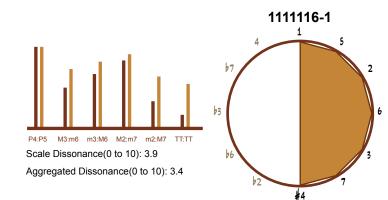


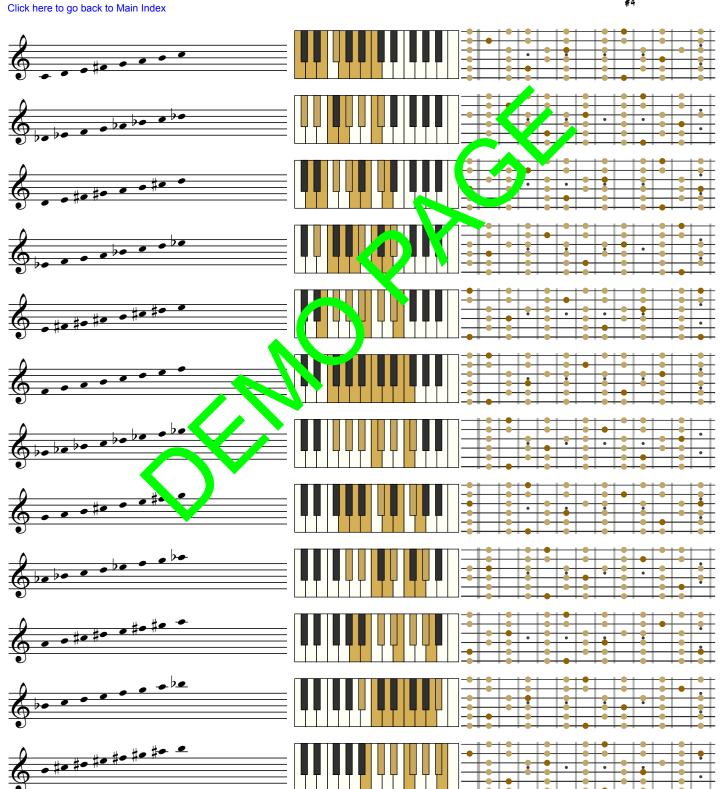
#### Lydian

Lydian • Ionian #4 • Lydian Diminished n3 • Pelog n13 •

#### View related modes

7 Notes • 7 Modes • 12 Transpositions Intervallic Formula: W W W H W W H Degrees Formula: 1 2 3 #4 5 6 7 Source Scale: Ionian [4] Not a Symmetrical Scale Not a Bi-Triadic Hexatonic



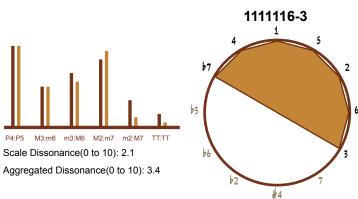


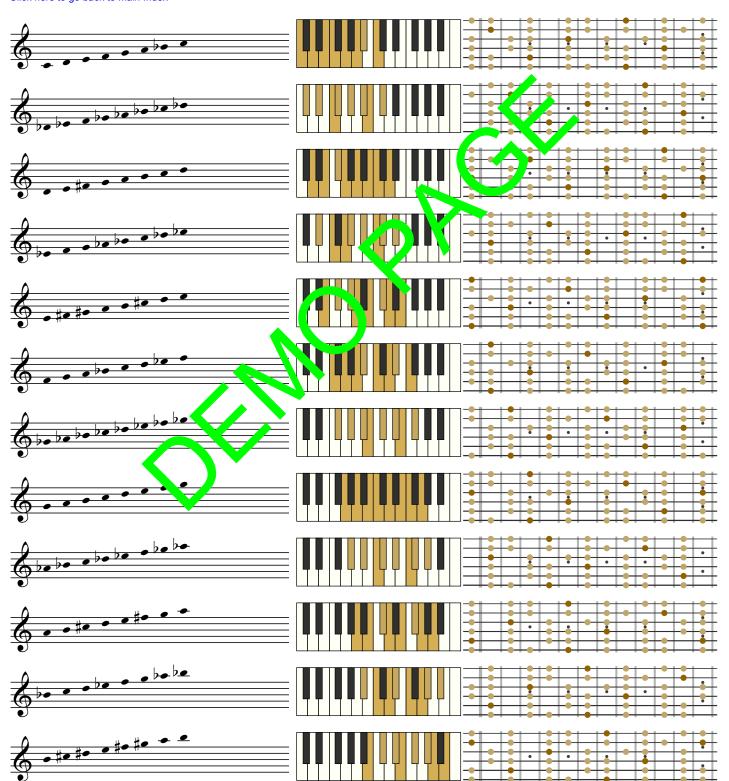
#### Mixolydian

• Mixolydian • Adonai malakh • Ionian b7 • Dorian n3 •

#### View related modes

7 Notes • 7 Modes • 12 Transpositions Intervallic Formula: W W H W W H W Degrees Formula: 1 2 3 4 5 6 b7 Source Scale: Ionian [5] Not a Symmetrical Scale Not a Bi-Triadic Hexatonic Click here to go back to Main Index



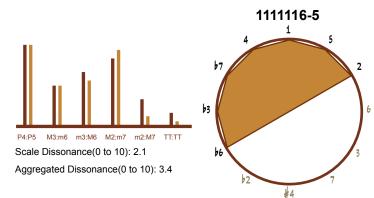


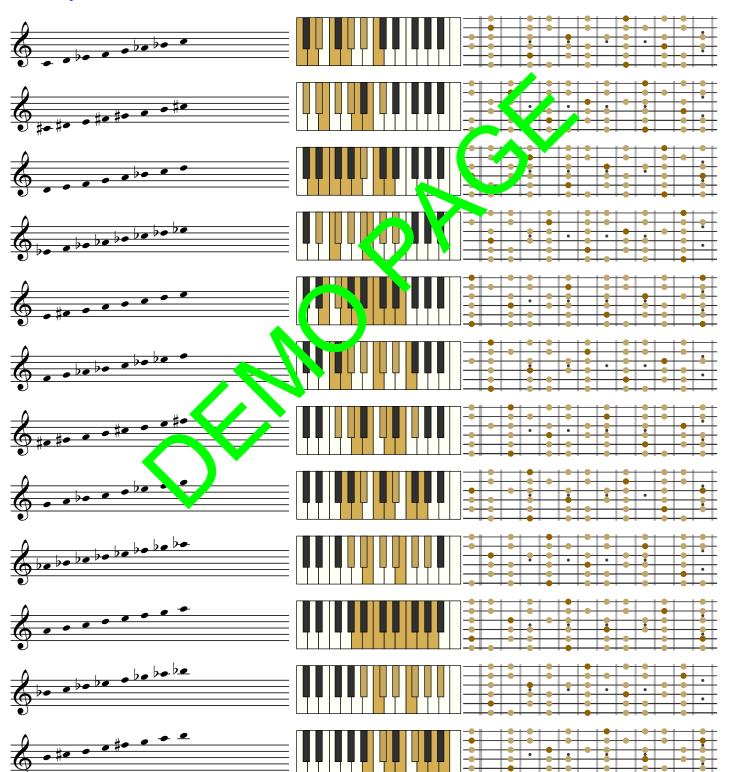
#### Aeolian

Aeolian • Natural minor • Dorian b13 • Phrygian n2 •

#### View related modes

7 Notes • 7 Modes • 12 Transpositions Intervallic Formula: W H W W H W W Degrees Formula: 1 2 b3 4 5 b6 b7 Source Scale: Ionian [6] Not a Symmetrical Scale Not a Bi-Triadic Hexatonic Click here to go back to Main Index





#### Locrian

Locrian • Phrygian b5 • Locrian Dominant b3 • Ritsu addb5 •

#### View related modes

7 Notes • 7 Modes • 12 Transpositions Intervallic Formula: H W W H W W W Degrees Formula: 1 b2 b3 4 b5 b6 b7 Source Scale: Ionian [7] Not a Symmetrical Scale Not a Bi-Triadic Hexatonic Click here to go back to Main Index

