

Major Scale over three octaves. Shown is the G Major Scale. Tonic notes circled in red.

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Harmonic Minor Scale over 3 octaves. In relation to the major scale notes are: 1 2 $b3$ 4 5 $b6$ 7 8. It preserves the leading tone relationship between 7 and 8, rendering an augmented 2nd interval (same as minor 3rd) between 6 and seven. This example is F# minor, harmonic version.

Melodic Minor scale uses the major scale with a flattened 3rd when ascending and then the natural minor scale when descending. In relation to the major scale the pattern is: 1 2 $b3$ 4 5 6 7 8 8 $b7$ $b6$ 5 4 $b3$ 2 1

Ascending:

Descending (Natural Minor and/or Aolean mode)