

HOW TO PLAY 3-OCTAVE SCALES

VIOLAS ONLY

Identify each octave of a three-octave scale:



3-Octave Scale Fingerings

There are three sets of fingerings which cover all of the 3-octave major scales on viola:

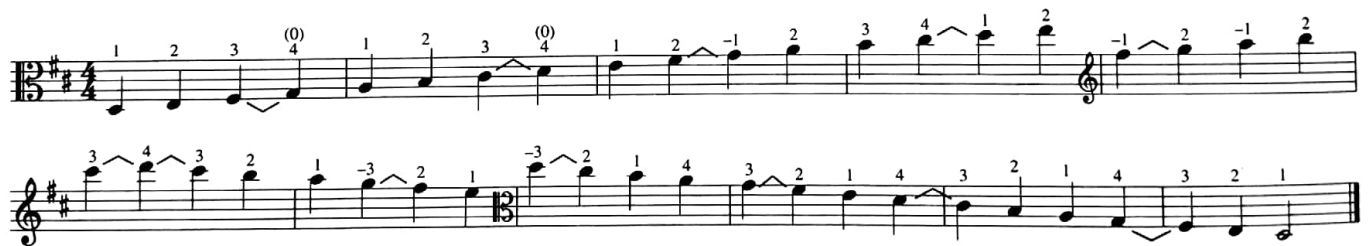
- OPEN string starts
- 1st finger starts
- 2nd finger starts

The fingering diagrams below are each followed by a sample major scale. A caret (^) indicates a half step between two pitches, and a dash (-) indicates a shift to a new position. The letters identify each string.

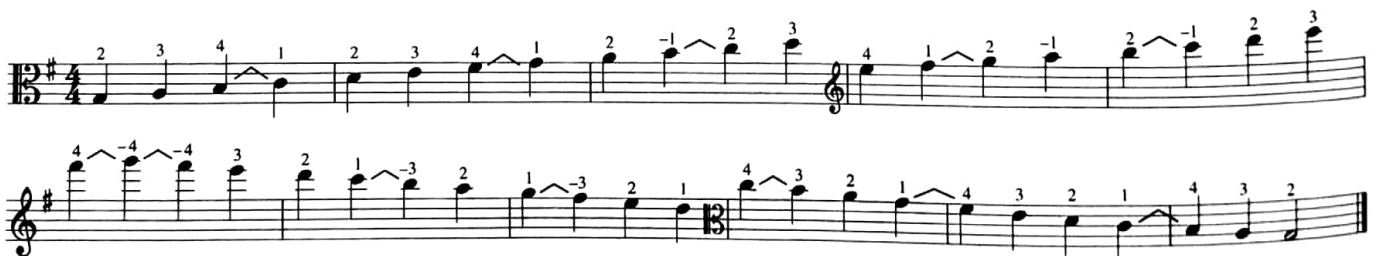
OPEN	ASCENDING	DESCENDING
Major scale** starting on an open string: C	C G D A 0 1 2 3 0 1 2 3 0 1 2-1 2 3 4 1 2-1 2 3 4	A D G C -4-4 3 2 1-2 1 4 3 2 1-2 1 4 3 2 1 4 3 2 1 0 <small>(Slide 4th)</small>



1ST FINGER	ASCENDING	DESCENDING
Major scale** starting on 1st finger: C# - Db - D	C G D A 1 2 3 4 1 2 3 4 1 2-1 2 3 4 1 2-1 2-1 2 3	A D G C 4 3 2 1-3 2 1-3 2 1 4 3 2 1 4 3 2 1 4 3 2 1



2ND FINGER	ASCENDING	DESCENDING
Major scale** starting on 2nd finger: A^b - A - B^b - B - E^b - E - F - F# - G	C G D A 2 3 4 1 2 3 4 1 2-1 2 3 4 1 2-1 2-1 2 3 4 <small>*(in E^b Major use 0 on the next string)</small>	A D G C -4-4 3 2 1-3 2 1-3 2 1 4 3 2 1 4 3 2 1 4 3 2 <small>(Slide 4th)</small>



** For minor scale fingerings, see page 11.

HOW TO PLAY 3-OCTAVE ARPEGGIOS

VIOLAS ONLY

3-Octave Arpeggio Fingerings

There are three sets of fingerings which cover all of the 3-octave arpeggios on viola:

- OPEN string starts
- 1st finger starts
- 2nd finger starts

An **arpeggio** is a "broken" chord whose notes are played individually. It is composed of the 1st, 3rd and 5th steps of the scale, plus the 8th step (which is the same as the 1st step of the next octave).

OPEN	ASCENDING	DESCENDING
Major and minor arpeggios* starting on an open string: C	C G D A	A D G C
	0 2 0 - 1 3 1 - 1 3 1 4	4 1 3 1 - 1 3 1 0 - 2 0

1ST FINGER	ASCENDING	DESCENDING
Major and minor arpeggios* starting on 1st finger: C# - Db - D	C G D A	A D G C
	1 3 1 - 1 3 1 - 1 3 1 4	4 1 3 1 - 1 3 1 - 1 3 1

2ND FINGER	ASCENDING	DESCENDING
Major and minor arpeggios* starting on 2nd finger: A^b - A - B^b - B - E^b - E - F - F# - G	C G D A	A D G C
	2 4 2 1 - 1 3 2 - 1 3 X4	X4 3 1 - 4 1 3 1 2 4 2
		(Extend 4th finger only)

*Minor arpeggio fingerings are the same as the parallel major (c minor = C Major). Remember, in minor, the 3rd scale step is a half step lower in each octave.

3-OCTAVE SCALES AND ARPEGGIOS

MAJOR KEYS

Refer to pages 2-6 ("How To Play 3-Octave Scales/Arpeggios") for a sample practice routine, and for additional bowings, rhythms and articulations that can be applied. Fingerings are printed above the notes, plus the Roman numerals below indicate the position numbers. A dash (-) before a fingering indicates a shift to a new position.

The 24-note system is used for all scales to accommodate slurring patterns of 2, 3, 4, 6, 8, 12 or 24 notes. The added notes at each end of the scale are shaded in the fingering diagram below.

OPEN string START

1st finger START

2nd finger START

	ASCENDING	DESCENDING
C	C G D A	A D G C
0 2 1	0 1 2 3 0 1 2 3 0 1 2-1 2 3 4 1 2-1 2 3 4	** -4-4 3 2 1-2 1 4 3 2 1-2 1 4 3 2 1 4 3 2 1 0 2 1 0
1st finger START	C G D A	A D G C
1 3 2	1 2 3 4 1 2 3 4 1 2-1 2 3 4 1 2-1 2-1 2 3 4	4 3 2 1-3 2 1-3 2 1 4 3 2 1 4 3 2 1 4 3 2 1 3 2 1
2nd finger START	C G D A	A D G C
2 4 3	2 3 4 1 2 3 4 1 2-1 2 3 4 1 2-1 2-1 2 3 4	** -4-4 3 2 1-3 2 1-3 2 1 4 3 2 1 4 3 2 1 4 3 2 4 3 2 4 3 2

*(In E♭ Major use 0 on the next string)

** (Slide 4th)

1. C MAJOR SCALE

OPEN string START

2. C MAJOR ARPEGGIO

3. G MAJOR SCALE

2nd finger START

4. G MAJOR ARPEGGIO

5. D MAJOR SCALE

1st finger START

6. D MAJOR ARPEGGIO

7. A MAJOR SCALE

2nd finger START

8. A MAJOR ARPEGGIO

9. E MAJOR SCALE

2nd finger START

10. E MAJOR ARPEGGIO

11. B MAJOR SCALE

2nd finger START

12. B MAJOR ARPEGGIO

13. F MAJOR SCALE

2nd finger START

14. F MAJOR ARPEGGIO

15. Bb MAJOR SCALE

2nd finger START

16. Bb MAJOR ARPEGGIO

3-OCTAVE SCALES AND ARPEGGIOS

MINOR KEYS

Refer to pages 2-6 ("How To Play 3-Octave Scales/Arpeggios") for a sample practice routine, and for additional bowings, rhythms and articulations that can be applied. Fingerings are printed above the notes, plus the Roman numerals below indicate the position numbers. A dash (-) before a fingering indicates a shift to a new position. In addition to the suggested fingerings, minor scales may also be played using the fingerings of the parallel major key and adjusting the half steps.

The 24-note system is used for all scales to accommodate slurring patterns of 2, 3, 4, 6, 8, 12 or 24 notes. The added notes at each end of the scale are shaded in the fingering diagram below.

	ASCENDING	DESCENDING
OPEN string START	C G D A 0 2 ¹ 0 1 ² 3 0 1 ² 3 0 1 ² 3 4 1 ² 3 4 1 ² 3 4 1 ² 3 4 1 ² 3 4	A D G C ** - 4 3 2 - 3 2 1 - 3 2 1 4 3 2 1 4 3 2 1 4 3 2 1 0 2 1 0
1st finger START	C G D A 1 3 2 1 2 3 4 1 2 3 4 1 ² 1 ² 3 4 1 ² 1 ² 3 4 1 ² 1 ² 3 4 1 ² 1 ² 3 4 1 ² 1 ² 3 4	A D G C 4 3 2 1 - 3 2 1 - 3 2 1 4 3 2 1 4 3 2 1 4 3 2 1 4 3 2 1 3 2 1
2nd finger START	C G D A 2 4 3 2 3 4 1 2 3 4 1 ² 1 ² 3 4 1 ² 1 ² 3 4 1 ² 1 ² 3 4 1 ² 1 ² 3 4 1 ² 1 ² 3 4	A D G C ** - 4 3 2 - 3 2 1 - 3 2 1 4 3 2 1 - 2 1 4 3 2 1 4 3 2 1 4 3 2 1 4 3 2

** (Slide 4th)

23. A MELODIC MINOR SCALE

2nd finger START

24. A MINOR ARPEGGIO

25. E MELODIC MINOR SCALE

2nd finger START

26. E MINOR ARPEGGIO

SCALES & ARPEGGIOS

27. B MELODIC MINOR SCALE

2nd finger START

V VII IX XI XII X VII V

28. B MINOR ARPEGGIO

V VII X V

29. F# MELODIC MINOR SCALE

2nd finger START

II IV VI VIII IX VII IV II

30. F# MINOR ARPEGGIO

II IV VII II

31. D MELODIC MINOR SCALE

1st finger START

I III V VII IV I

32. D MINOR ARPEGGIO

I IV VII IV I

33. G MELODIC MINOR SCALE

2nd finger START

34. G MINOR ARPEGGIO

35. C MELODIC MINOR SCALE

OPEN string START

36. C MINOR ARPEGGIO

37. F MELODIC MINOR SCALE

2nd finger START

38. F MINOR ARPEGGIO