

# Orchestral Instrument Ranges & Transposition

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The chart displays the following instruments and their ranges/transpositions:

- Violin:** Range G to G<sup>8va</sup>
- Viola:** Range C to E
- Cello:** Range C to G
- Double Bass:** Range E to D (↓P8)
- Piccolo:** Range D to C<sup>8va</sup> (↑P8, D<sup>b</sup>↑P8+m2)
- Flute:** Range B to D<sup>8va</sup> (Bass Flute ↓P8)
- Alto Flute:** Range C to C<sup>8va</sup> (↓P4)
- Oboe:** Range B<sup>b</sup> to A (Oboe d'Amore ↓m3, Hecklephone (Bass Oboe in C) ↓P8)
- English Horn:** Range B to G (↓P5)
- E<sup>b</sup> Contra Alto Clarinet:** Range E to E (↓M6+P8)
- All Clarinets Except Bass:** Range E to C (B<sup>b</sup> ↓M2, A ↓m3, D ↑M2, E<sup>b</sup> ↑m3)
- Bass Clarinet:** Range E<sup>b</sup> to G (↓M9)
- Bassoon:** Range B<sup>b</sup> to E<sup>b</sup>
- Contrabassoon:** Range B<sup>b</sup> to B<sup>b</sup> (↓P8)
- Saxophones:** Range B<sup>b</sup> to G<sup>(#E)</sup> (B<sup>b</sup> Soprano ↓M2, E<sup>b</sup> Alto ↓M6, B<sup>b</sup> Tenor ↓P8+M2, E<sup>b</sup> Baritone ↓P8+M6, B<sup>b</sup> Bass ↓2P8+M2)
- Horns:** Range F<sup>#</sup> to C (B<sup>b</sup> (Alto) ↓M2, A ↓m3, G ↓P4, F ↓P5, E ↓m6, E<sup>b</sup> ↓M6, D ↓m7, C ↓P8, B<sup>b</sup> (Basso) ↓M9)
- Trumpets except bass:** Range F<sup>#</sup> to D (F ↑P4, E ↑M3, E<sup>b</sup> ↑m3, D ↑M2, C as written, B<sup>b</sup> ↓M2, A ↓m3)
- Tenor Trombone:** Range E to F
- Bass Trumpet in E<sup>b</sup>:** Range F to C (↓M6)
- Bass Trombone/Euphonium:** Range B<sup>b</sup> to B<sup>b</sup>
- Baritone:** Range E to B<sup>b</sup>
- Tuba B<sup>b</sup> C E<sup>b</sup> F:** Range B<sup>b</sup> to F (8<sup>va</sup> ↓)
- Harp:** Range B<sup>b</sup> to F<sup>#</sup> (8<sup>va</sup> ↓)