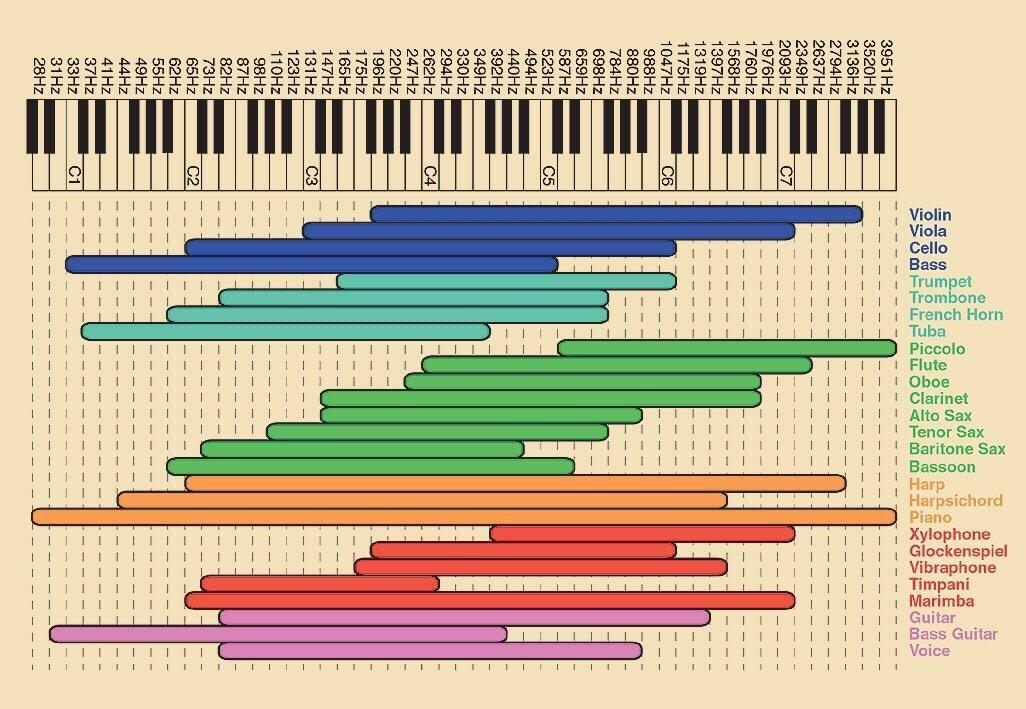
Brass instruments:

<https://en.wikipedia.org/wiki/Brass_instrument>

<https://hub.yamaha.com/winds/brass/the-brass-family-explained/>

Pitch ranges:



Physics:

<https://www.phys.unsw.edu.au/jw/brassacoustics.html>

Formants:

<https://ccrma.stanford.edu/~jmccarty/formant.htm>

<https://www.jupiter.info/en/community/pro-tips/general-subjects/sound-reinforcement-for-brass-players-5>

 **Tuba:** Formant I: 200–400 Hz.

 **French Horn:** Formant I: 400–500 Hz.

 **Trombone:** Formant I: 600–800 Hz.

 **Trumpet:** Formant I: 1200–1400 Hz, Formant II: 2500 Hz.

Synthesis:

<https://www.soundonsound.com/techniques/synthesizing-brass-instruments>