Getting Started

SETTING CHORDS
Choose a color from your color pallette to select the tone of your composition.

to change the tone, select a different color. Switching between colors throughout your composition will lead to a more dynamic piece.

SAVING YOUR COMPOSITION
If you didn't record, but wish to save the visual composition, click the ⬚ icon at the bottom of the artboard.

CREATING NEW COMPOSITION
Click the ▢ icon at the bottom of the artboard.

OPENING AN EXISTING COMPOSITION
Click the ⬚ icon at the bottom of the artboard.

About VectorOctave

VectorOctave is a drawing platform, an instrument, an experience, and a game; meant to be played with as much its meant to be played. At its core, VectorOctave is an application for simultaneous auditory and visual composition. Built upon a basic drawing platform, it allows you to "hear" what you're drawing. Draw a line quickly, with a dark color selected, and a series of minor chords will emanate from the screen, or switch to a bright orange with slow, deliberate swirls to generate something "brighter" and more upbeat.

How it works

How it Works — VecorOctave's sound-generating capability is made possible by the invisible coordinate plane on its artboard, and the chord progressions "set" into the points of that plane by selecting a color. A user-selected color contains a chord progression, made up of 2 to 4 chords, which "populate" the points of the coordinate plane on the artboard.

For example, the color TEAL contains the chords: D, B minor, G, and A. If we select the point (2,1) on the coordinate plane, it has the value of B minor. The coordinate (1,1) has the value of G chord and (0,1) has the value of a D chord. This continues throughout the plane in random order, and the chords within the progression appear in different octaves. Now, as the user draws a line or shape across their artboard, they will pass over those points with their stylus,"triggering" the chord to play. (Like a trip-wire).