Text accompaniment to “Gray Circles”, an image of color and symmetry

This composition was created using Circlesville of Gargoyle, version Beta

Elements of symmetry and choice of color
While I am a big fan of bright and bold colors, the varieties of grays available in Gargoyle seemed to provide a better service for usage of different colors when creating a symmetrical patterned picture. Therefore, I used light gray, medium light gray, gray, medium dark gray, and dark gray as my choices of color.

The line of symmetry is vertically down the middle. Although the top right square of circles and the bottom left square of circles are each missing the middle circle leaving the picture to seem symmetrical horizontally, the fact is that is not the case. Had I decided to remove the middle circle from the square of circles of the top left and bottom right squares, then the picture would have both vertical and horizontal symmetry.

By doing this and with the changes in color, I control the lines of symmetry and make them much smaller than could have been possible had I approached it differently.

Reflection on thought process of image creation
I knew from the beginning I wanted to create an image that contained many different shades of the same color. Since I found that to be within the color gray, I then thought about how exactly I wanted to create a symmetrical picture with the colors in Circlesville [circlesville because I guess I have a bias of circles with no vertices over squares and rectangles that have vertices]. After a while, I decided to create squares of circles, different shades all the same size, that created a pattern of squares made of circles. I then created a group of circles combined in the shape of a square and used it as a guide for creating the rest of my colored “circle-squares”. However, I did approach some difficulty; once my program was all said and done, there were two circles missing from my overall picture – the middle of the top right square of circles and the bottom left square of circles. After I observed the way the picture looked with my goof, I decided I liked it even better that way, so it all worked out in the end and I am happy with the result.

Possible variations of symmetry and color
Change the colors within each square of circles to include all five shades of gray. Instead of having square of different shades of gray circles, have different shades of gray
circles within rows, one color per row. Mix all colors within one single row and repeat rows. Add more lines of symmetry.