Programmable variations: Colour, Shape, Type and Image

In this assignment I have edited the original files P_1_0_01 and P_2_1_3_01 to mimic and reflect the work of Warhol. His bold colour scheme is apparent alongside a focus on repetition. There is an emphasis on changing colours according to cursor positions and get() commands. I have explored the recurrence and aesthetic of shape combined with imagery directly pulled from Warhol's catalogue.

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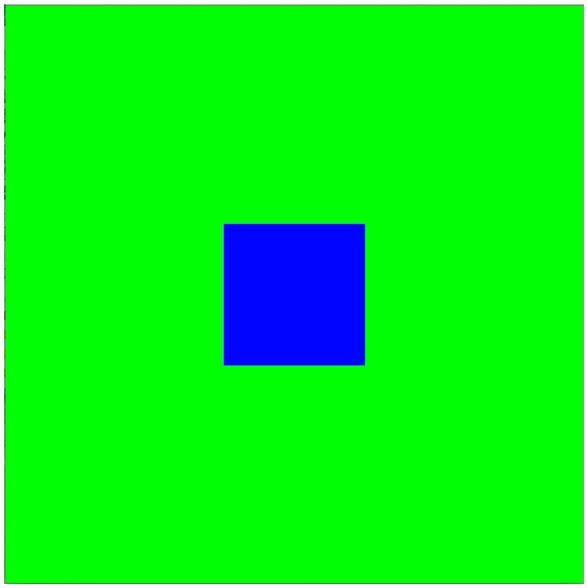
Monday 12-3pm

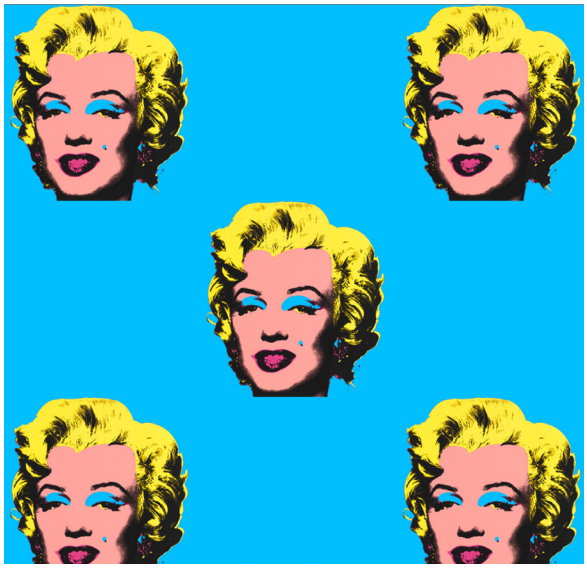
Image 1



Original file P_1_0_01

I replaced the dilating rectangle with an image controlled by the mouse position. The image moved along the axis as well as was scaled in different directions.

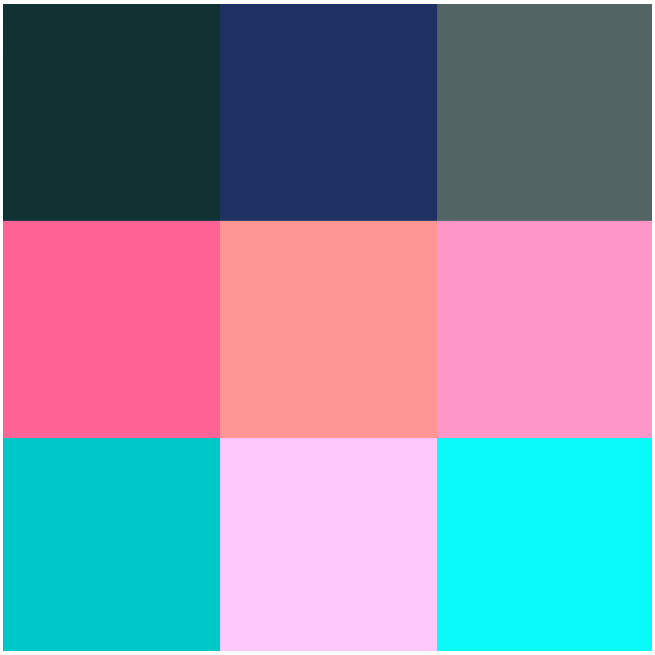
The background colour still had a relationship with the mouse movement.



With the background still changing with the cursor position I edited the image to a .png with a transparent background. I used Warhol's repetition and placed the images in an array.

By creating 9 individual rectangles with colour correlating in different ways to the mouse position I could make a variation in colour within all the frames.

I found the background colours a bit harsh so changed the colour model to HSB so it was a little more muted.

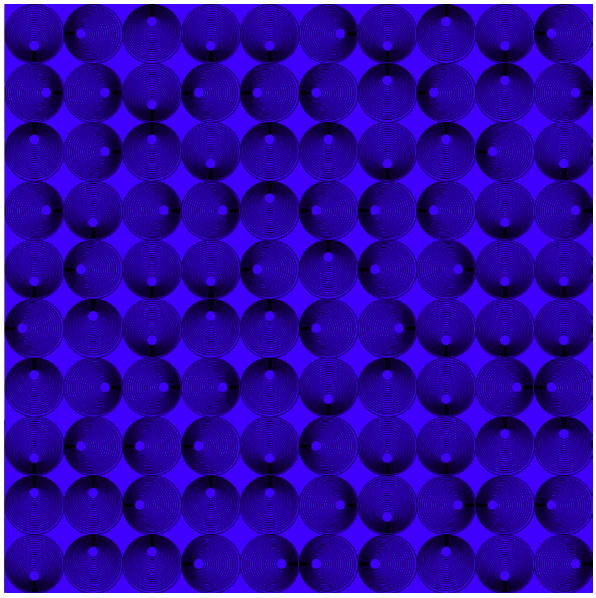


I added a mousePressed function so the colour scheme could be seen and changed according to the mouse position within the overlayed image.

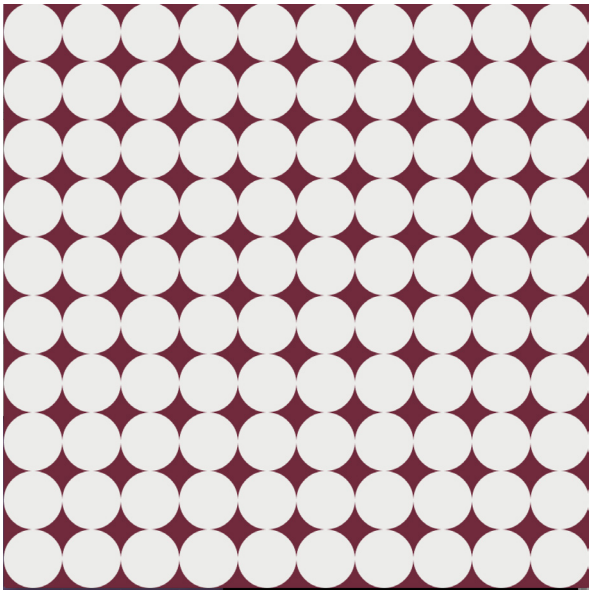
Image 2

Added a mousePressed function to show a Warhol image.

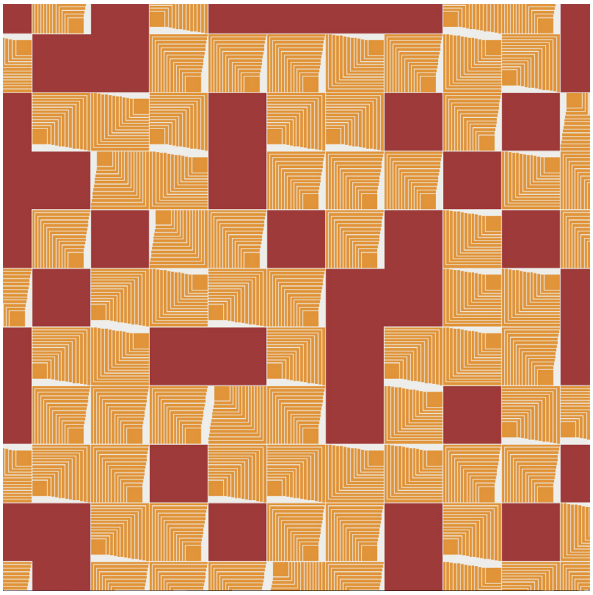
After researching Pixel Components in the Processing handbook I was able to extract and invert the colours in the original image and overlay the interactive pattern.



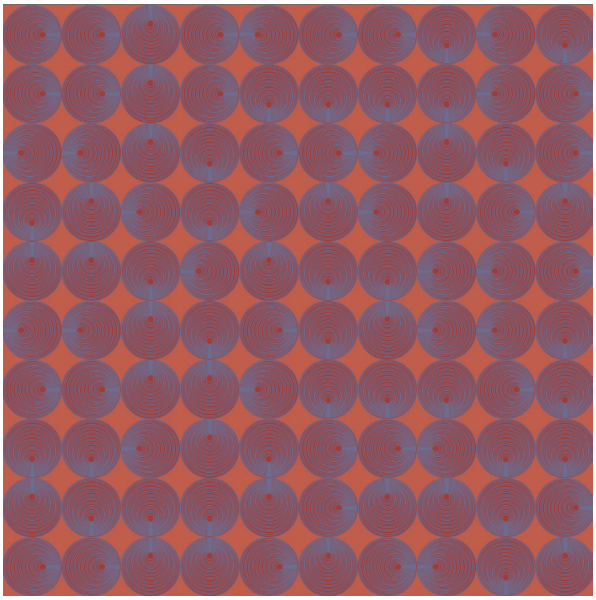
I replaced this function with the get() command to extract the colours from the original Warhol image. When the cursor was moved the background colours flashed through the Warhol's palette.



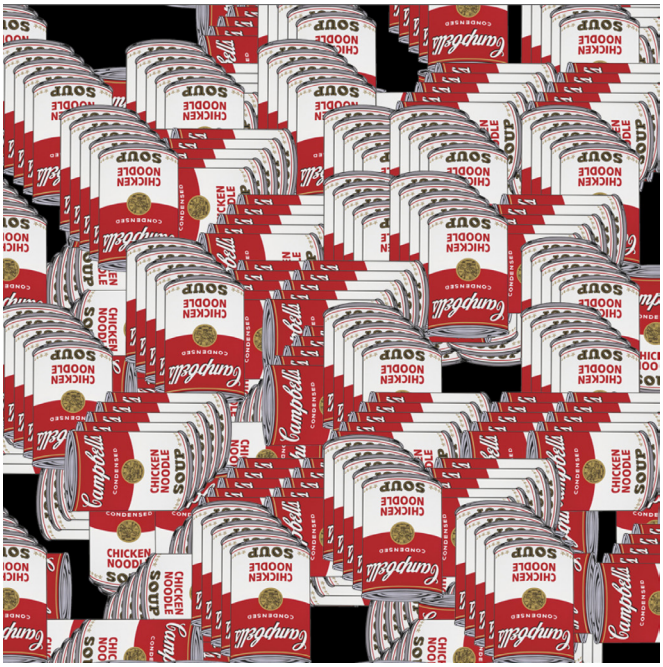
I increased the subtlety of the palette by introducing variations of the get() command to the background, fill and removing the stroke.



With the colour still based on the original image I changed the ellipse() to rect() for a more geometric aesthetic.



I converted the shape back to ellipse() and changed the stroke to strokeWeight(random(100)) and gave it a colour value relating to the background.



Keeping the background dictated by the original Warhol image, I changed the ellipse to a .png of a Campbell's can. The number of repetitions changes according to the cursor position.