

### EXHIBITIONS:

119 Hester St. [📍](#) [NOW](#)

77 East 3rd St. [📍](#) [NOW](#)

[/virtu.all](#) [📍](#) [NOW](#)

[📁](#) ARCHIVE

### UPCOMING EVENTS:

March 1 *Paper Cuts Opening Reception 7pm @ 77 E 3rd St*

[📁](#) YOU MISSED IT

[Contact](#) ↗  
[Instagram](#) ↗

[Information](#)

#### title:

Bitwise Splitting and Merging of Pixels / A Sunday Afternoon on the Island of La Grande Jatte

#### work website:

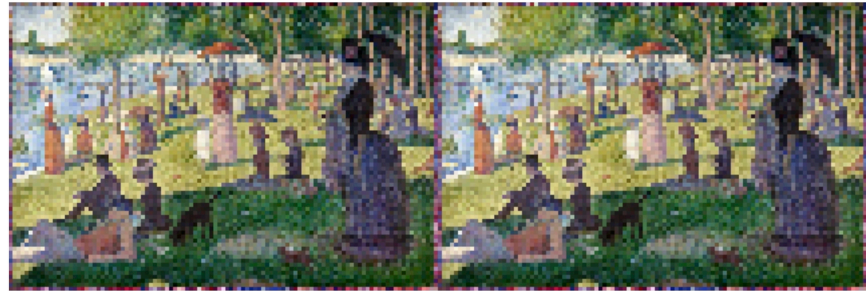
<https://kenjikojima.com/bitwiseSunday/>

#### artist:

kenji kojima (he/him)

#### abstract:

The ability to make countless genuine copies is the most significant advantage of digital art. This artwork video can be shared freely. The project is about manipulating the colors of binary. All forms of media today are represented in binary. The artist thought about possibly exchanging or transforming their data into alternative formats. When we represent these media in digital works, we inevitably return to the realm of binaries. The artwork was inspired by Georges Seurat, who sought to engage the viewer's eye by optically blending colors rather than physically mixing them. The algorithm uses bitwise XOR with random numbers and splits the original image into two mosaics using encryption. The project's algorithm, which uses bitwise XOR operations with random numbers, splits the original image data into two mosaics using an encryption technique known as a one-time pad. Kojima, an artist, is based on the idea that the outside world is like a code and that human senses can decipher and feel it. Conceptually, the resulting pair of mosaic images can be compared to a cipher and a key. It also converts pixel color values into musical notes using Kenji Kojima's RGB Music method. The project video shows first the merging of the two mosaic data sets back into the original image, and then the splitting of the original image.



#### Red:

Left Pix 01011001

11010001 Right Pix

10001000

#### Green:

Left Pix 01011010

11010110 Right Pix

10001100

#### Blue:

Left Pix 11001001

01011110 Right Pix

10010111

#### Red:

Left Pix 01100101

11011110 Right Pix

10111011

#### Green:

Left Pix 10100100

01100010 Right Pix

11000110

#### Blue:

Left Pix 11011010

00010010 Right Pix

11001000