

updatePixels()

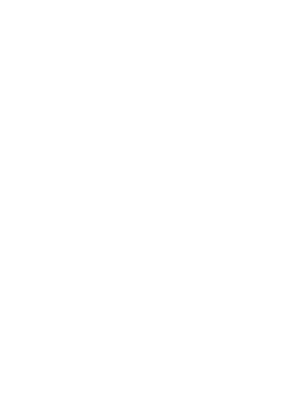
Updates the canvas with the RGBA values in the `img.pixels` array.

`img.updatePixels()` only needs to be called after changing values in the `img.pixels` array. Such changes can be made directly after calling `img.loadPixels()` or by calling `img.set()`.

The optional parameters `x`, `y`, `width`, and `height` define a subsection of the image to update. Doing so can improve performance in some cases.

If the image was loaded from a GIF, then calling `img.updatePixels()` will update the pixels in current frame.

Examples



```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a p5.Image object.
  let img = createImage(66, 66);

  // Load the image's pixels.
  img.loadPixels();

  // Set the pixels to black.
  for (let x = 0; x < img.width; x += 1) {
    for (let y = 0; y < img.height; y += 1) {
      img.set(x, y, 0);
    }
  }

  // Update the image.
  img.updatePixels();

  // Display the image.
  image(img, 17, 17);

  describe('A black square drawn in the middle of a gray
square.');
}
```



```
function setup() {
  createCanvas(100, 100);

  background(200);

  // Create a p5.Image object.
  let img = createImage(66, 66);

  // Load the image's pixels.
  img.loadPixels();

  // Set the pixels to black.
  for (let i = 0; i < img.pixels.length; i += 4) {
    // Red.
    img.pixels[i] = 0;
    // Green.
    img.pixels[i + 1] = 0;
    // Blue.
    img.pixels[i + 2] = 0;
    // Alpha.
    img.pixels[i + 3] = 255;
  }

  // Update the image.
  img.updatePixels();

  // Display the image.
  image(img, 17, 17);

  describe('A black square drawn in the middle of a gray
square.');
}
```

Syntax

```
updatePixels(x, y, w, h)
```

```
updatePixels()
```

Parameters

<code>x</code>	Integer: x-coordinate of the upper-left corner of the subsection to update.
<code>y</code>	Integer: y-coordinate of the upper-left corner of the subsection to update.
<code>w</code>	Integer: width of the subsection to update.
<code>h</code>	Integer: height of the subsection to update.

This page is generated from the comments in [src/image/p5.Image.js](#). Please feel free to edit it and submit a pull request!

Related References

[blend](#)
Copies a region of pixels from another image into this one.

[copy](#)
Copies pixels from a source image to this image.

[delay](#)
Changes the delay between frames in an animated GIF.

[filter](#)
Applies an image filter to the image.

