

erase()

Starts using shapes to erase parts of the canvas.

All drawing that follows `erase()` will subtract from the canvas, revealing the web page underneath. The erased areas will become transparent, allowing the content behind the canvas to show through. The `fill()`, `stroke()`, and `blendMode()` have no effect once `erase()` is called.

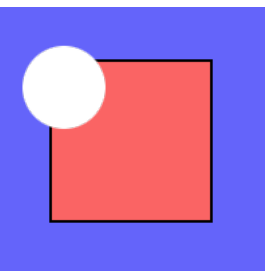
The `erase()` function has two optional parameters. The first parameter sets the strength of erasing by the shape's interior. A value of 0 means that no erasing will occur. A value of 255 means that the shape's interior will fully erase the content underneath. The default value is 255 (full strength).

The second parameter sets the strength of erasing by the shape's edge. A value of 0 means that no erasing will occur. A value of 255 means that the shape's edge will fully erase the content underneath. The default value is 255 (full strength).

To cancel the erasing effect, use the `noErase()` function.

`erase()` has no effect on drawing done with the `image()` and `background()` functions.

Examples



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

  background(100, 100, 250);

  // Draw a pink square.
  fill(250, 100, 100);
  square(20, 20, 60);

  // Erase a circular area.
  erase();
  circle(25, 30, 30);
  noErase();

  describe('A purple canvas with a pink square in the middle. A circle is erased from the top-left, leaving a hole.');
```



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

  background(100, 100, 250);

  // Draw a pink square.
  fill(250, 100, 100);
  square(20, 20, 60);

  // Erase a circular area.
  strokeWeight(5);
  erase(150, 255);
  circle(25, 30, 30);
  noErase();

  describe('A purple canvas with a pink square in the middle. A circle at the top-left partially erases its interior and a fully erases its outline.');
```

Syntax

```
erase([strengthFill], [strengthStroke])
```

Parameters

strengthFill	Number: a number (0-255) for the strength of erasing under a shape's interior. Defaults to 255, which is full strength.
strengthStroke	Number: a number (0-255) for the strength of erasing under a shape's edge. Defaults to 255, which is full strength.

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

Related References

background

Sets the color used for the background of the canvas.

beginClip

Starts defining a shape that will mask any shapes drawn afterward.

clear

Clears the pixels on the canvas.

clip

Defines a shape that will mask any shapes drawn afterward.

