

alpha()

Gets the alpha (transparency) value of a color.

`alpha()` extracts the alpha value from a `p5.Color` object, an array of color components, or a CSS color string.

Examples



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

  background(200);

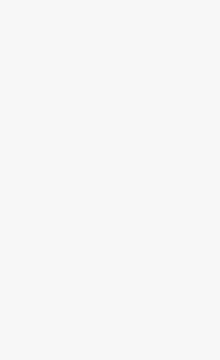
  // Create a p5.Color object.
  let c = color(0, 126, 255, 102);

  // Draw the left rectangle.
  noStroke();
  fill(c);
  rect(15, 15, 35, 70);

  // Set 'alphaValue' to 102.
  let alphaValue = alpha(c);

  // Draw the right rectangle.
  fill(alphaValue);
  rect(50, 15, 35, 70);

  describe('Two rectangles. The left one is light blue and the right one is charcoal gray.');
}
```



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

  background(200);

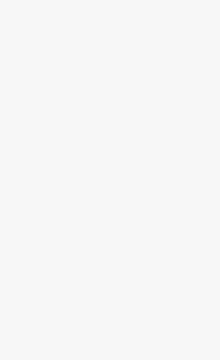
  // Create a color array.
  let c = [0, 126, 255, 102];

  // Draw the left rectangle.
  noStroke();
  fill(c);
  rect(15, 15, 35, 70);

  // Set 'alphaValue' to 102.
  let alphaValue = alpha(c);

  // Draw the right rectangle.
  fill(alphaValue);
  rect(50, 15, 35, 70);

  describe('Two rectangles. The left one is light blue and the right one is charcoal gray.');
}
```



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

  background(200);

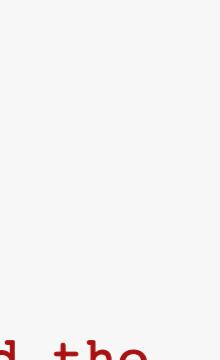
  // Create a CSS color string.
  let c = 'rgba(0, 126, 255, 0.4)';

  // Draw the left rectangle.
  noStroke();
  fill(c);
  rect(15, 15, 35, 70);

  // Set 'alphaValue' to 102.
  let alphaValue = alpha(c);

  // Draw the right rectangle.
  fill(alphaValue);
  rect(50, 15, 35, 70);

  describe('Two rectangles. The left one is light blue and the right one is charcoal gray.');
}
```



Syntax

`alpha(color)`



Parameters

`color` p5.Color|Number[]|String: `p5.Color` object, array of color components, or CSS color string.

Returns

Number: the alpha value.

This page is generated from the comments in `src/color/creating_reading.js`. Please feel free to edit it and submit a pull request!

Related References

`setAlpha`
Sets the alpha (transparency) value of a color.

`setBlue`
Sets the blue component of a color.

`setGreen`
Sets the green component of a color.

`setRed`
Sets the red component of a color.

