

hue()

Gets the hue value of a color.

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

Hue describes a color's position on the color wheel. By default, `hue()` returns a color's HSL hue in the range 0 to 360. If the `colorMode()` is set to HSB or HSL, it returns the hue value in the given mode.

Examples



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

  background(200);

  // Use HSL color.
  colorMode(HSL);

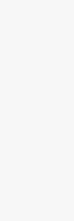
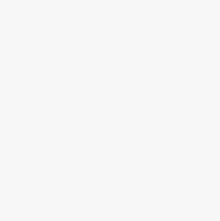
  // Create a p5.Color object.
  let c = color(0, 50, 100);

  // Draw the left rectangle.
  noStroke();
  fill(c);
  rect(15, 20, 35, 60);

  // Set 'hueValue' to 0.
  let hueValue = hue(c);

  // Draw the right rectangle.
  fill(hueValue);
  rect(50, 20, 35, 60);

  describe(
    'Two rectangles. The rectangle on the left is salmon pink
    and the one on the right is black.'
  );
}
```



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

  background(200);

  // Use HSL color.
  colorMode(HSL);

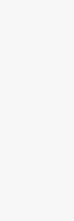
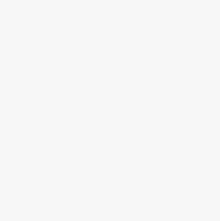
  // Create a color array.
  let c = [0, 50, 100];

  // Draw the left rectangle.
  noStroke();
  fill(c);
  rect(15, 20, 35, 60);

  // Set 'hueValue' to 0.
  let hueValue = hue(c);

  // Draw the right rectangle.
  fill(hueValue);
  rect(50, 20, 35, 60);

  describe(
    'Two rectangles. The rectangle on the left is salmon pink
    and the one on the right is black.'
  );
}
```



```
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  createCanvas(100, 100);

  background(200);

  // Use HSL color.
  colorMode(HSL);

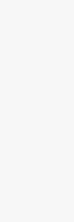
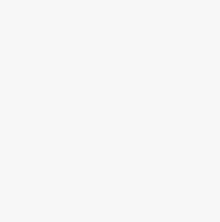
  // Create a CSS color string.
  let c = 'rgb(255, 128, 128)';

  // Draw the left rectangle.
  noStroke();
  fill(c);
  rect(15, 20, 35, 60);

  // Set 'hueValue' to 0.
  let hueValue = hue(c);

  // Draw the right rectangle.
  fill(hueValue);
  rect(50, 20, 35, 60);

  describe(
    'Two rectangles. The rectangle on the left is salmon pink
    and the one on the right is black.'
  );
}
```



Syntax

`hue(color)`



Parameters

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

Returns

Number: the hue 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!

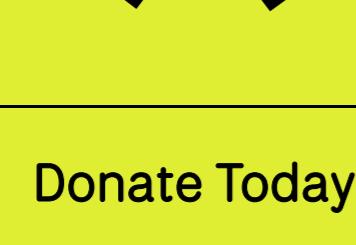
Related References

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

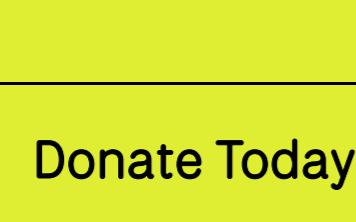
`setBlue`
Sets the blue component of a color.

`setGreen`
Sets the green component of a color.

`setRed`
Sets the red component of a color.



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