

# Converting Colors

$Yxy(55.2557, 0.2606, 0.3915)$

Have a look what the booklet for  
Yxy(55.2557, 0.2606, 0.3915)  
contains.

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# Color

**$\text{Yxy}(55.3127, 0.2604, 0.3911)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	58DAAF
RGB	88, 218, 175
RGB Percent	35%, 85%, 69%
CMY	0.6552, 0.1451, 0.3138
CMYK	0.60, 0.00, 0.20, 0.15
HSL	160°, 64%, 60%
HSV	160°, 60%, 85%
XYZ	36.8280, 55.3127, 49.2878
YIQ	174.2280, -63.6770, -40.9330

# Conversions

## Conversions Part 2

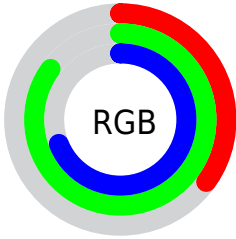
Format	Color
R <sub>Y</sub> B	88, 166, 218
Decimal	5823151
CIE Lab	79.22, -45.92, 10.61
CIE LCh	79, 47.129, 166.990
Yxy	55.3127, 0.2604, 0.3911
Android (android.graphics.Color)	4284013231 (0xFF58DAAF)
YUV	174.2280, 0.3806, -75.6220
Hunter-Lab	74.3725, -41.7618, 12.7683

# Details

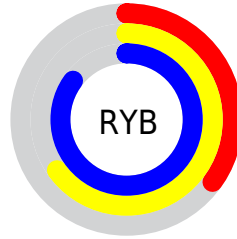
The Yxy color **55.3127, 0.2604, 0.3911** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **23.5129, 0.4341, 0.2797**, and the grayscale version is **42.4649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6791, 0.2666, 0.3565**, and **27.2707, 0.2466, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **54.1305, 0.2564, 0.4037**, and if you desaturate by 10%, it is **56.8323, 0.2662, 0.3789**.

# Distribution



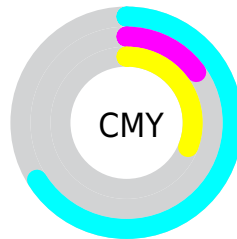
- Red (35%)
- Green (85%)
- Blue (69%)



- Red (35%)
- Yellow (65%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)




- Cyan (66%)
- Magenta (15%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3127, 0.2604, 0.3911 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 55.3127, 0.2604, 0.3911 by changing the saturation by 10% instead.




 55.3127, 0.2604,  
0.3911

 55.3127, 0.2604,  
0.3911

407.0962, 0.2863,  
0.3598


 39.6521, 0.2540,  
0.3990


 97.9990, 0.2697,  
0.3797

 27.2674, 0.2460,  
0.4092


 125.7934, 0.2732,  
0.3754

 17.7742, 0.2353,  
0.4228


 158.4014, 0.2762,  
0.3718

 10.7880, 0.2207,  
0.4418

 196.2071, 0.2788,  
0.3687

 5.9244, 0.1996,  
0.4702

239.5950, 0.2810,  
0.3660

 2.7992, 0.1667,  
0.5169

288.9496, 0.2830,

 1.0278, 0.0000,

0.3637

0.7354

344.6552, 0.2847,  
0.3616

■ 0.0000, 0.0000,  
0.0000

■ 55.3127, 0.2604,  
0.3911

■ 55.3127, 0.2604,  
0.3911

■ 54.1305, 0.2564,  
0.4037

■ 56.8323, 0.2662,  
0.3789

■ 53.2496, 0.2544,  
0.4165

■ 58.7088, 0.2737,  
0.3672

■ 52.6372, 0.2544,  
0.4292

■ 60.9676, 0.2824,  
0.3563

■ 52.2334, 0.2561,  
0.4417

■ 63.6300, 0.2920,  
0.3463

■ 52.2212, 0.2561,  
0.4421

■ 66.7158, 0.3023,  
0.3370

■ 70.2434, 0.3131,  
0.3287

■ 74.2301, 0.3240,  
0.3213

■ 77.2731, 0.3295,  
0.3144

■ 77.6929, 0.3245,  
0.3074

# Harmonies

## Analogous

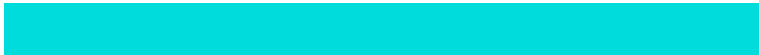
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.3127, 0.3181, 0.4354



55.3127, 0.2604, 0.3911



55.3127, 0.2193, 0.3271

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.3127, 0.2604, 0.3911



55.3127, 0.2438, 0.2324



55.3127, 0.4367, 0.3665

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.3127, 0.2604, 0.3911



23.5129, 0.4341, 0.2797

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.3127, 0.4142, 0.3188



55.3127, 0.2604, 0.3911



55.3127, 0.2973, 0.2456

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.3127, 0.2604, 0.3911



55.3127, 0.2112, 0.2404



55.3127, 0.3609, 0.2762



55.3127, 0.4217, 0.4110

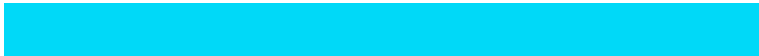


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3127, 0.2604, 0.3911



55.3127, 0.2053, 0.2883



55.3127, 0.3609, 0.2762



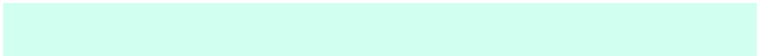
55.3127, 0.4335, 0.3505

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.3149, 0.2604, 0.3911



91.3705, 0.2935, 0.3448



55.7008, 0.3294, 0.5064



19.2996, 0.2906, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.3149, 0.2604, 0.3911



76.7824, 0.2556, 0.4075



46.7635, 0.2329, 0.2984



14.7525, 0.3026, 0.3368



31.3030, 0.2556, 0.4403



2.0436, 0.2500, 0.4198



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.5129, 0.4341, 0.2797



27.4867, 0.4777, 0.2753



26.6790, 0.4806, 0.3541



13.1222, 0.3240, 0.3213



9.2288, 0.5639, 0.2880



0.6135, 0.5177, 0.2626



# Previews

## White Background



This preview shows how the Yxy color 55.3127, 0.2604, 0.3911 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3127, 0.2604, 0.3911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

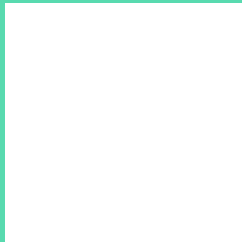
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.3127, 0.2604, 0.3911**

## Background



This preview shows how black text looks on a background with the Yxy color 55.3127, 0.2604, 0.3911.

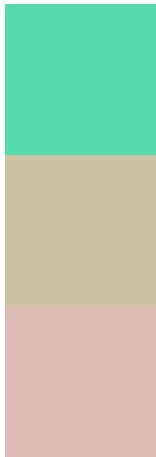


This preview shows how white text looks on a background with the Yxy color 55.3127, 0.2604, 0.3911.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

55.3127, 0.2604, 0.3911

### Protanopia

54.2071, 0.3458, 0.3670

### Deuteranopia

54.2081, 0.3437, 0.3373



## Tritanopia

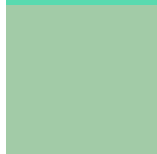
55.3158, 0.2403, 0.3065

# Trichromacy



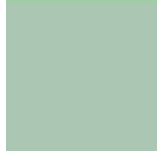
## Original Color

55.3127, 0.2604, 0.3911



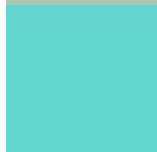
## Protanomaly

53.1833, 0.3067, 0.3773



## Deuteranomaly

52.7594, 0.3053, 0.3552



## Tritanomaly

55.4059, 0.2472, 0.3356

# Monochromacy



## Original Color

55.3127, 0.2604, 0.3911



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

45.7225, 0.2875, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3127, 0.2604, 0.3911 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(88, 218, 175)` looks like.

```
.text, #text, p{  
  color:rgb(88, 218, 175)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(88, 218, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 218, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3127, 0.2604, 0.3911 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(88, 218, 175) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(88, 218, 175) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(88, 218, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(88, 218, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(88, 218, 175); box-shadow:4px 4px 4px 4px rgb(88, 218, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3127, 0.2604, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 218, 175) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(88, 218,  
175) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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