

# Converting Colors

$Yxy(51.8762, 0.2357, 0.3128)$

Have a look what the booklet for  
Yxy(51.8762, 0.2357, 0.3128)  
contains.

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# Color

**Yxy(51.7664, 0.2355, 0.3123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57CFDB
RGB	87, 207, 219
RGB Percent	34%, 81%, 86%
CMY	0.6585, 0.1883, 0.1412
CMYK	0.60, 0.05, 0.00, 0.14
HSL	185°, 65%, 60%
HSV	185°, 60%, 86%
XYZ	39.0361, 51.7664, 74.9560
YIQ	172.4880, -75.3720, -21.7080

# Conversions

## Conversions Part 2

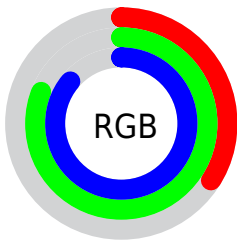
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 150, 219
Decimal	5754843
CIE Lab	77.14, -29.81, -16.01
CIE LCh	77, 33.835, 208.235
Yxy	51.7664, 0.2355, 0.3123
Android (android.graphics.Color)	4283944923 (0xFF57CFDB)
YUV	172.4880, 22.9304, -74.9730
Hunter-Lab	71.9489, -29.0646, -11.4039

# Details

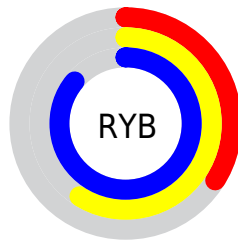
The Yxy color **51.7664, 0.2355, 0.3123** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.6948, 0.4915, 0.3428**, and the grayscale version is **41.4384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **25.1368, 0.2184, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **49.9077, 0.2280, 0.3092**, and if you desaturate by 10%, it is **53.9610, 0.2449, 0.3154**.

# Distribution



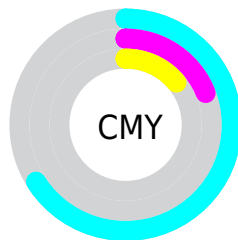
- Red (34%)
- Green (81%)
- Blue (86%)



- Red (34%)
- Yellow (59%)
- Blue (86%)



- Cyan (60%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)




- Cyan (66%)
- Magenta (19%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7664, 0.2355, 0.3123 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 51.7664, 0.2355, 0.3123 by changing the saturation by 10% instead.




 51.7664, 0.2355,  
0.3123

 51.7664, 0.2355,  
0.3123


393.5341, 0.2723,  
0.3216

 36.8189, 0.2269,  
0.3098


 92.7866, 0.2484,  
0.3158

 25.0673, 0.2162,  
0.3064


 119.6282, 0.2534,  
0.3171

 16.1272, 0.2025,  
0.3017


 151.2032, 0.2577,  
0.3182

 9.6142, 0.1845,  
0.2949

 187.8961, 0.2614,  
0.3191

 5.1439, 0.1600,  
0.2844

230.0912, 0.2646,  
0.3198

 2.3320, 0.1254,  
0.2663

278.1730, 0.2675,

 0.7905, 0.0074,

0.3205

0.2476

332.5258, 0.2700,  
0.3211

0.0000, 0.0000,  
0.0000

51.7664, 0.2355,  
0.3123

51.7664, 0.2355,  
0.3123

49.9077, 0.2280,  
0.3092

53.9610, 0.2449,  
0.3154

48.3491, 0.2225,  
0.3060

56.5118, 0.2559,  
0.3184

47.0569, 0.2188,  
0.3029

59.4444, 0.2685,  
0.3213

45.9905, 0.2166,  
0.2999

62.7802, 0.2823,  
0.3241

66.5391, 0.2970,  
0.3266

■ 70.7396, 0.3124,  
0.3289

■ 75.3991, 0.3280,  
0.3311

■ 79.1231, 0.3384,  
0.3330

■ 80.1948, 0.3381,  
0.3350

# Harmonies

## Analogous

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



51.7664, 0.2609, 0.3574



51.7664, 0.2355, 0.3123



51.7664, 0.2295, 0.2767

# Triad

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



51.7664, 0.2355, 0.3123



51.7664, 0.3194, 0.2730



51.7664, 0.3842, 0.4010

# Complementary

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



51.7664, 0.2355, 0.3123



24.6948, 0.4915, 0.3428

# 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.



51.7664, 0.4032, 0.3725



51.7664, 0.2355, 0.3123



51.7664, 0.3647, 0.3011

# Square

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



51.7664, 0.2355, 0.3123



51.7664, 0.2752, 0.2575



51.7664, 0.3963, 0.3364



51.7664, 0.3463, 0.4116



# Rectangle

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



51.7664, 0.2355, 0.3123



51.7664, 0.2366, 0.2622



51.7664, 0.3963, 0.3364



51.7664, 0.3931, 0.3930

# Sweetspot

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



51.7683, 0.2355, 0.3123



89.6719, 0.2853, 0.3246



53.5808, 0.2989, 0.5087



18.8769, 0.2811, 0.3238



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

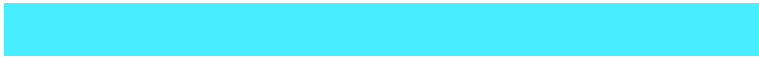


# Same Dimension

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



51.7683, 0.2355, 0.3123



69.8872, 0.2265, 0.3084



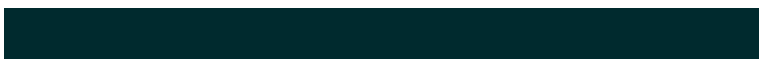
26.5088, 0.2135, 0.2144



14.6162, 0.2982, 0.3268



27.3532, 0.2168, 0.3003



1.8326, 0.2182, 0.3054



# Inverse Universe

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



26.3975, 0.3323, 0.1998



32.0071, 0.3368, 0.1827



42.3172, 0.4361, 0.4173



13.2533, 0.3152, 0.3080



11.3851, 0.3451, 0.1675

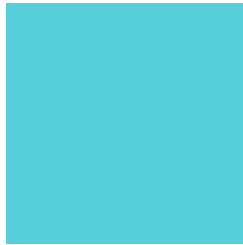


0.7437, 0.3407, 0.1651



# Previews

## White Background



This preview shows how the Yxy color 51.7664, 0.2355, 0.3123 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 51.7664, 0.2355, 0.3123 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 51.7664, 0.2355, 0.3123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7664, 0.2355, 0.3123.



This preview shows how white text looks on a background with the Yxy color 51.7664, 0.2355, 0.3123.

# 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

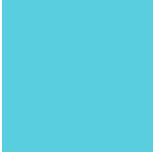
51.7664, 0.2355, 0.3123

### Protanopia

51.0362, 0.2978, 0.3055

### Deuteranopia

51.1561, 0.2888, 0.2825



## **Tritanopia**

51.5942, 0.2341, 0.3057

# Trichromacy



## Original Color

51.7664, 0.2355, 0.3123



## Protanomaly

50.3127, 0.2696, 0.3080



## Deuteranomaly

50.1862, 0.2639, 0.2918



## Tritanomaly

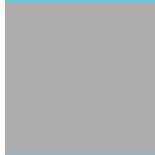
51.4912, 0.2342, 0.3070

# Monochromacy



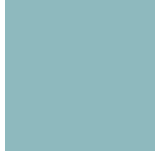
## Original Color

51.7664, 0.2355, 0.3123



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

44.1664, 0.2755, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7664, 0.2355, 0.3123 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(87, 207, 219)` looks like.

```
.text, #text, p{  
    color:rgb(87, 207, 219)  
}
```

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(87, 207, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 207, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7664, 0.2355, 0.3123 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(87, 207, 219) }
```

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

```
.border{ border-color:rgb(87, 207, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 207, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 207, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 207, 219);  
box-shadow:4px 4px 4px 4px rgb(87, 207,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7664, 0.2355, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 207, 219) }
```

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

```
.background{ background-color: rgb(87, 207,  
219) }
```

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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