

# Converting Colors

$Y_{xy}(58.2612, 0.2155, 0.2945)$

Have a look what the booklet for  
Yxy(58.2612, 0.2155, 0.2945)  
contains.

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# Color

**Yxy(58.4864, 0.2156, 0.2950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	08DDF7
RGB	8, 221, 247
RGB Percent	3%, 87%, 97%
CMY	0.9697, 0.1333, 0.0314
CMYK	0.97, 0.11, 0.00, 0.03
HSL	187°, 94%, 50%
HSV	187°, 97%, 97%
XYZ	42.7446, 58.4864, 97.0279
YIQ	160.2770, -135.2940, -37.0700

# Conversions

## Conversions Part 2

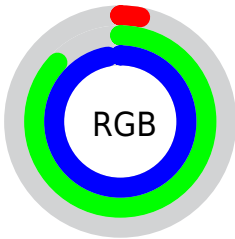
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 121, 247
Decimal	581111
CIELab	81.01, -35.06, -25.20
CIELCh	81, 43.183, 215.709
Yxy	58.4864, 0.2156, 0.2950
Android (android.graphics.Color)	4278771191 (0xFF08DDF7)
YUV	160.2770, 42.7544, -133.5469
Hunter-Lab	76.4764, -34.0654, -21.6896

# Details

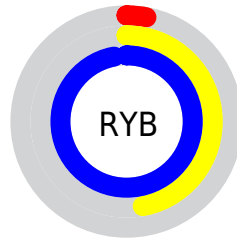
The Yxy color **58.4864, 0.2156, 0.2950** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **20.9183, 0.6275, 0.3369**, and the grayscale version is **35.1012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **30.6719, 0.2126, 0.2852** is the 20% darker color. If you saturate the color by 10%, you get **57.9960, 0.2150, 0.2938**, and if you desaturate by 10%, it is **60.1803, 0.2183, 0.2987**.

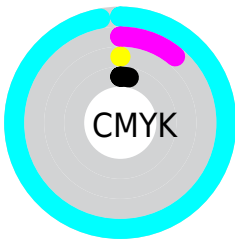
# Distribution



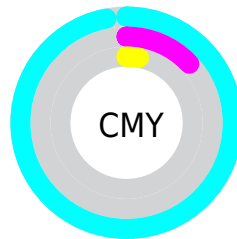
- Red (3%)
- Green (87%)
- Blue (97%)



- Red (3%)
- Yellow (47%)
- Blue (97%)



- Cyan (97%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)




- Cyan (97%)
- Magenta (13%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4864, 0.2156, 0.2950 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 58.4864, 0.2156, 0.2950 by changing the saturation by 10% instead.




 58.4864, 0.2156,  
0.2950

 58.4864, 0.2156,  
0.2950


418.9959, 0.2602,  
0.3129


 42.1998, 0.2056,  
0.2904


 102.6308, 0.2309,  
0.3016


 29.2578, 0.1935,  
0.2846


 131.2575, 0.2369,  
0.3040

 19.2759, 0.1784,  
0.2768


 164.7662, 0.2421,  
0.3061

 11.8698, 0.1593,  
0.2661

 203.5415, 0.2467,  
0.3079

 6.6551, 0.1347,  
0.2506

 247.9678, 0.2507,  
0.3094

 3.2474, 0.1024,  
0.2269

298.4293, 0.2542,

 1.2622, 0.0458,

0.3107

0.1913

355.3106, 0.2574,  
0.3118

■ 0.1116, 0.0000,  
0.0482

■ 0.0000, 0.0000,  
0.0000

■ 58.4864, 0.2156,  
0.2950

■ 58.4864, 0.2156,  
0.2950

■ 57.9960, 0.2150,  
0.2938

■ 60.1803, 0.2183,  
0.2987

■ 62.1904, 0.2227,  
0.3025

■ 64.5762, 0.2291,  
0.3064

■ 67.3829, 0.2374,  
0.3102

70.6491, 0.2476,  
0.3139

74.4087, 0.2594,  
0.3175

78.6924, 0.2727,  
0.3209

83.5283, 0.2870,  
0.3241

88.9424, 0.3021,  
0.3271

# Harmonies

## Analogous

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



58.4864, 0.2399, 0.3495



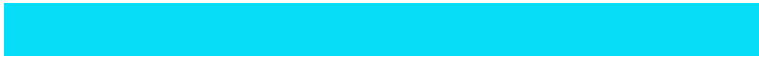
58.4864, 0.2156, 0.2950



58.4864, 0.2147, 0.2573

# Triad

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



58.4864, 0.2156, 0.2950



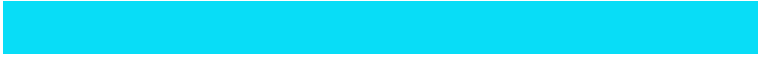
58.4864, 0.3348, 0.2689



58.4864, 0.3891, 0.4223

# Complementary

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



58.4864, 0.2156, 0.2950



20.9183, 0.6275, 0.3369

# 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.



58.4864, 0.4200, 0.3901



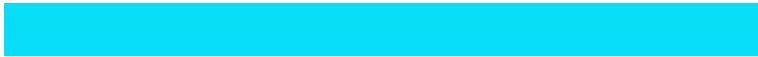
58.4864, 0.2156, 0.2950



58.4864, 0.3884, 0.3047

# Square

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



58.4864, 0.2156, 0.2950



58.4864, 0.2790, 0.2463



58.4864, 0.4206, 0.3476



58.4864, 0.3391, 0.4299

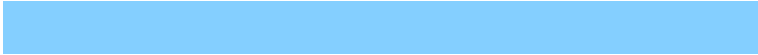


# Rectangle

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



58.4864, 0.2156, 0.2950



58.4864, 0.2268, 0.2443



58.4864, 0.4206, 0.3476



58.4864, 0.4022, 0.4135

# Sweetspot

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



58.4885, 0.2156, 0.2950



83.5537, 0.2697, 0.3202



66.6718, 0.2982, 0.5915



17.4592, 0.2640, 0.3187



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.



58.4885, 0.2156, 0.2950



62.3302, 0.2149, 0.2938



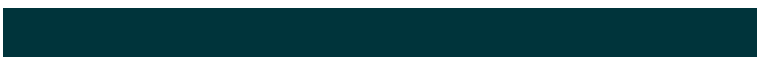
16.5536, 0.1697, 0.1289



18.4324, 0.2981, 0.3264



30.8020, 0.2151, 0.2945



2.7934, 0.2164, 0.2992



# Inverse Universe

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



25.1630, 0.3498, 0.1709



26.8234, 0.3509, 0.1707



42.0181, 0.5091, 0.4320



16.7355, 0.3155, 0.3082



13.2089, 0.3503, 0.1704

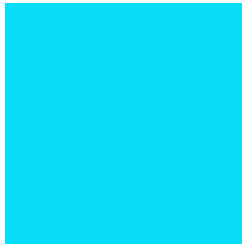


1.1696, 0.3462, 0.1681



# Previews

## White Background



This preview shows how the Yxy color 58.4864, 0.2156, 0.2950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

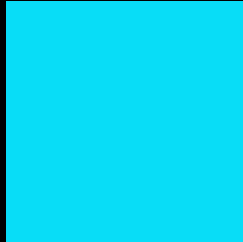
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.4864, 0.2156, 0.2950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

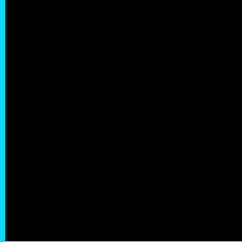
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.4864, 0.2156, 0.2950**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.4864, 0.2156, 0.2950.

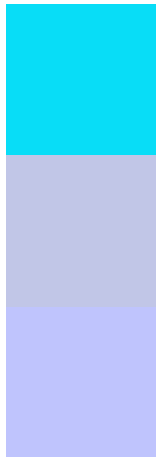


This preview shows how white text looks on a background with the Yxy color 58.4864, 0.2156, 0.2950.

# 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

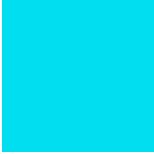
58.4799, 0.2156, 0.2950

### Protanopia

57.4951, 0.2862, 0.2906

### Deuteranopia

57.6481, 0.2710, 0.2650



## **Tritanopia**

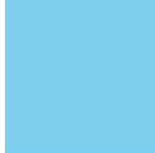
58.5338, 0.2181, 0.3050

# Trichromacy



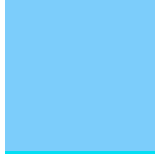
## Original Color

58.4799, 0.2156, 0.2950



## Protanomaly

54.6927, 0.2433, 0.2895



## Deuteranomaly

54.9128, 0.2356, 0.2721



## Tritanomaly

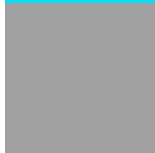
58.7330, 0.2171, 0.3012

# Monochromacy



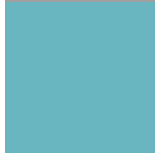
## Original Color

58.4799, 0.2156, 0.2950



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

40.2649, 0.2500, 0.3139

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4864, 0.2156, 0.2950 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(8, 221, 247)` looks like.

```
.text, #text, p{  
    color:rgb(8, 221, 247)  
}
```

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(8, 221, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 221, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4864, 0.2156, 0.2950 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(8, 221, 247) }
```

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

```
.border{ border-color:rgb(8, 221, 247) }
```

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

Here you see how a box with a 4 pixel rgb(8, 221, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 221, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 221, 247);  
box-shadow:4px 4px 4px 4px rgb(8, 221,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4864, 0.2156, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 221, 247) }
```

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

```
.background{ background-color: rgb(8, 221,  
247) }
```

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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