

# Converting Colors

$Yxy(50.9964, 0.2159, 0.2610)$

Have a look what the booklet for  
Yxy(50.9964, 0.2159, 0.2610)  
contains.

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# Color

**Yxy(51.0388, 0.2160, 0.2611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DCAFF
RGB	77, 202, 255
RGB Percent	30%, 79%, 100%
CMY	0.6983, 0.2078, 0.0001
CMYK	0.70, 0.21, 0.00, 0.00
HSL	198°, 100%, 65%
HSV	198°, 70%, 100%
XYZ	42.2228, 51.0388, 102.2144
YIQ	170.6670, -91.5130, -10.0170

# Conversions

## Conversions Part 2

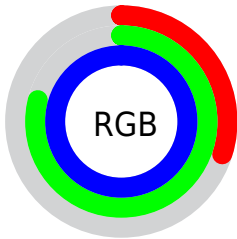
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">77, 150, 255</a>
Decimal	<a href="#">5098239</a>
CIELab	<a href="#">76.70, -18.07, -36.00</a>
CIELCh	<a href="#">77, 40.279, 243.346</a>
Yxy	<a href="#">51.0388, 0.2160, 0.2611</a>
Android (android.graphics.Color)	<a href="#">4283288319 (0xFF4DCAFF)</a>
YUV	<a href="#">170.6670, 41.5762, -82.1460</a>
Hunter-Lab	<a href="#">71.4414, -19.5267, -34.8198</a>

# Details

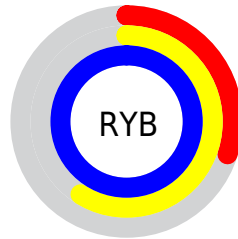
The Yxy color **51.0388, 0.2160, 0.2611** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.7260, 0.5059, 0.3777**, and the grayscale version is **40.3618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **25.2570, 0.2013, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **46.7083, 0.2075, 0.2497**, and if you desaturate by 10%, it is **55.9631, 0.2265, 0.2724**.

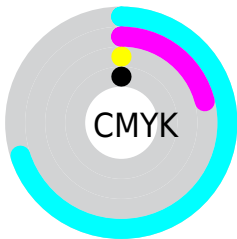
# Distribution



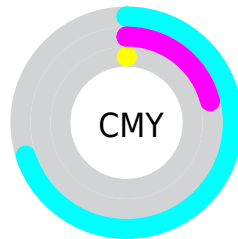
- Red (30%)
- Green (79%)
- Blue (100%)



- Red (30%)
- Yellow (59%)
- Blue (100%)



- Cyan (70%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (21%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0388, 0.2160, 0.2611 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 51.0388, 0.2160, 0.2611 by changing the saturation by 10% instead.





 51.0388, 0.2160,  
0.2611

 51.0388, 0.2160,  
0.2611


390.7145, 0.2613,  
0.2947

 36.2395, 0.2057,  
0.2530


 91.7121, 0.2317,  
0.2731

 24.6192, 0.1932,  
0.2429


 118.3549, 0.2378,  
0.2777

 15.7936, 0.1775,  
0.2298


 149.7143, 0.2431,  
0.2816

 9.3782, 0.1576,  
0.2126

 186.1748, 0.2477,  
0.2850

 4.9887, 0.1317,  
0.1890

228.1206, 0.2517,  
0.2879

 2.2406, 0.0981,  
0.1558

275.9363, 0.2553,

 0.7420, 0.0390,

0.2904

0.1094

330.0061, 0.2584,  
0.2927

0.0000, 0.0000,  
0.0000

51.0388, 0.2160,  
0.2611

51.0388, 0.2160,  
0.2611

46.7083, 0.2075,  
0.2497

55.9631, 0.2265,  
0.2724

42.9119, 0.2011,  
0.2383

61.5215, 0.2386,  
0.2834

39.5657, 0.1965,  
0.2271

67.7563, 0.2522,  
0.2940

39.5117, 0.1964,  
0.2269

74.7038, 0.2667,  
0.3039

82.3973, 0.2819,  
0.3131

■ 90.8676, 0.2975,  
0.3215

99.9986, 0.3127,  
0.3290

# Harmonies

## Analogous

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



51.0388, 0.2188, 0.2997



51.0388, 0.2160, 0.2611



51.0388, 0.2358, 0.2438

# Triad

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



51.0388, 0.2160, 0.2611



51.0388, 0.3830, 0.3022



51.0388, 0.3428, 0.4279

# Complementary

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



51.0388, 0.2160, 0.2611



37.7260, 0.5059, 0.3777

# 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.



51.0388, 0.3907, 0.4184



51.0388, 0.2160, 0.2611



51.0388, 0.4166, 0.3439

# Square

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



51.0388, 0.2160, 0.2611



51.0388, 0.3298, 0.2679



51.0388, 0.4188, 0.3858



51.0388, 0.2892, 0.4039



# Rectangle

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



51.0388, 0.2160, 0.2611



51.0388, 0.2606, 0.2438



51.0388, 0.4188, 0.3858



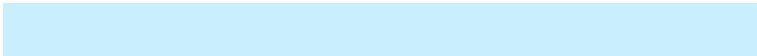
51.0388, 0.3601, 0.4282

# Sweetspot

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



51.0406, 0.2160, 0.2611



81.4745, 0.2801, 0.3120



74.6227, 0.2851, 0.4987



16.9731, 0.2759, 0.3096



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.



51.0406, 0.2160, 0.2611



45.0727, 0.2046, 0.2449



21.1694, 0.1873, 0.1453



19.5153, 0.2980, 0.3218



20.9226, 0.1969, 0.2288



2.2279, 0.2004, 0.2416



# Inverse Universe

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



30.8178, 0.3779, 0.2135



26.6062, 0.3960, 0.2048



71.1074, 0.4323, 0.4572



18.2029, 0.3184, 0.3124



12.8401, 0.4139, 0.2054

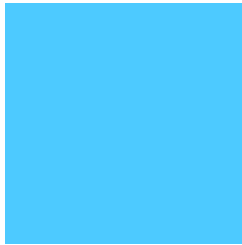


1.2694, 0.4007, 0.1981



# Previews

## White Background



This preview shows how the Yxy color 51.0388, 0.2160, 0.2611 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

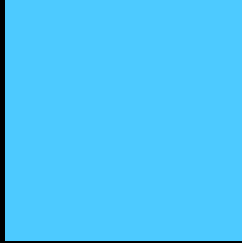
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0388, 0.2160, 0.2611 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

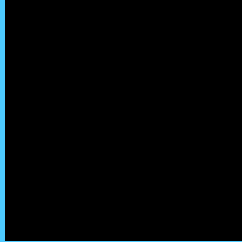
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

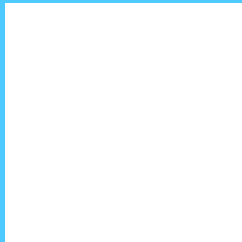
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.0388, 0.2160, 0.2611**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0388, 0.2160, 0.2611.



This preview shows how white text looks on a background with the Yxy color 51.0388, 0.2160, 0.2611.

# 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

51.0388, 0.2160, 0.2611

### Protanopia

50.4731, 0.2637, 0.2611

### Deuteranopia

50.5533, 0.2530, 0.2481



## Tritanopia

50.8482, 0.2245, 0.3052

# Trichromacy



## Original Color

51.0388, 0.2160, 0.2611



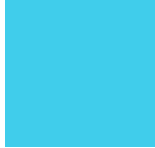
## Protanomaly

49.8179, 0.2413, 0.2607



## Deuteranomaly

49.9876, 0.2354, 0.2518



## Tritanomaly

50.7508, 0.2212, 0.2883

# Monochromacy



## Original Color

51.0388, 0.2160, 0.2611



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

43.0385, 0.2638, 0.3011

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0388, 0.2160, 0.2611 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(77, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 202, 255)  
}
```

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(77, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 202, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0388, 0.2160, 0.2611 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(77, 202, 255) }
```

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

```
.border{ border-color:rgb(77, 202, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 202, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 202,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0388, 0.2160, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 202, 255) }
```

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

```
.background{ background-color: rgb(77, 202,  
255) }
```

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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