

# Converting Colors

$Yxy(43.1726, 0.2157, 0.2512)$

Have a look what the booklet for  
Yxy(43.1726, 0.2157, 0.2512)  
contains.

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# Color

**Yxy(43.3549, 0.2156, 0.2513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50BAF4
RGB	80, 186, 244
RGB Percent	31%, 73%, 96%
CMY	0.6860, 0.2706, 0.0433
CMYK	0.67, 0.24, 0.00, 0.04
HSL	201°, 88%, 64%
HSV	201°, 67%, 96%
XYZ	37.1958, 43.3549, 91.9717
YIQ	160.9180, -81.7940, -4.4340

# Conversions

## Conversions Part 2

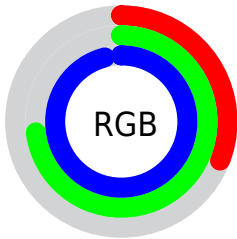
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	80, 144, 244
Decimal	5290740
CIE Lab	71.80, -12.70, -37.69
CIE LCh	72, 39.770, 251.374
Yxy	43.3549, 0.2156, 0.2513
Android (android.graphics.Color)	4283480820 (0xFF50BAF4)
YUV	160.9180, 40.9594, -70.9651
Hunter-Lab	65.8444, -14.3922, -36.7254

# Details

The Yxy color **43.3549, 0.2156, 0.2513** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **37.9938, 0.4869, 0.3867**, and the grayscale version is **35.4429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7440, 0.2515, 0.3140**, and **20.4059, 0.1974, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **38.9528, 0.2057, 0.2375**, and if you desaturate by 10%, it is **48.3650, 0.2274, 0.2649**.

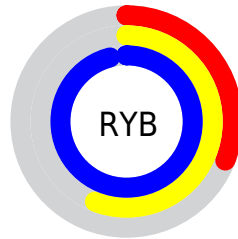
# Distribution



Red (31%)

Green (73%)

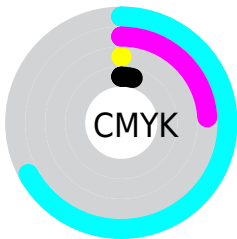
Blue (96%)



Red (31%)

Yellow (56%)

Blue (96%)

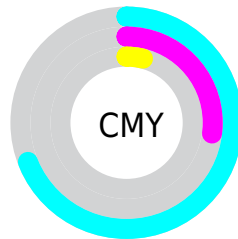


Cyan (67%)

Magenta (24%)

Yellow (0%)

Black (4%)



Cyan (69%)

Magenta (27%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3549, 0.2156, 0.2513 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 43.3549, 0.2156, 0.2513 by changing the saturation by 10% instead.





 43.3549, 0.2156,  
0.2513


 43.3549, 0.2156,  
0.2513


360.0693, 0.2623,  
0.2902

 30.1637, 0.2047,  
0.2418


 80.2461, 0.2320,  
0.2653

 19.9629, 0.1912,  
0.2299


 104.7150, 0.2384,  
0.2706

 12.3680, 0.1742,  
0.2145


 133.7117, 0.2438,  
0.2751

 6.9949, 0.1523,  
0.1940

 167.6209, 0.2485,  
0.2790

 3.4589, 0.1236,  
0.1659

206.8269, 0.2526,  
0.2824

 1.3757, 0.0861,  
0.1268

251.7140, 0.2563,

 0.1987, 0.0000,

0.2853

0.0437

302.6666, 0.2595,  
0.2879

0.0000, 0.0000,  
0.0000

43.3549, 0.2156,  
0.2513

43.3549, 0.2156,  
0.2513

38.9528, 0.2057,  
0.2375

48.3650, 0.2274,  
0.2649

35.1063, 0.1979,  
0.2238

54.0197, 0.2407,  
0.2780


31.7561, 0.1922,  
0.2104


60.3572, 0.2552,  
0.2905


30.8767, 0.1908,  
0.2067

67.4108, 0.2704,  
0.3021

75.2112, 0.2860,  
0.3128

 83.7870, 0.3016,  
0.3226

 93.1651, 0.3170,  
0.3314

 99.3099, 0.3191,  
0.3396

# Harmonies

## Analogous

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



43.3549, 0.2121, 0.2855



43.3549, 0.2156, 0.2513



43.3549, 0.2420, 0.2394

# Triad

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



43.3549, 0.2156, 0.2513



43.3549, 0.3981, 0.3121



43.3549, 0.3288, 0.4293

# Complementary

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



43.3549, 0.2156, 0.2513



37.9938, 0.4869, 0.3867

# 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.



43.3549, 0.3817, 0.4277



43.3549, 0.2156, 0.2513



43.3549, 0.4251, 0.3561

# Square

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



43.3549, 0.2156, 0.2513



43.3549, 0.3462, 0.2740



43.3549, 0.4180, 0.3983



43.3549, 0.2741, 0.3951



# Rectangle

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



43.3549, 0.2156, 0.2513



43.3549, 0.2711, 0.2431



43.3549, 0.4180, 0.3983



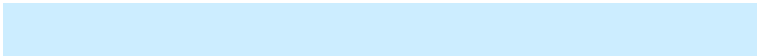
43.3549, 0.3474, 0.4327

# Sweetspot

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



43.3564, 0.2156, 0.2513



80.6043, 0.2815, 0.3099



68.2104, 0.2806, 0.4760



16.7289, 0.2771, 0.3069



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.



43.3564, 0.2156, 0.2513



41.2948, 0.2023, 0.2320



18.2696, 0.1886, 0.1398



17.7140, 0.2980, 0.3204



17.0603, 0.1913, 0.2088



1.6925, 0.1960, 0.2256



# Inverse Universe

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



28.5194, 0.3863, 0.2247



26.7862, 0.4084, 0.2156



70.6718, 0.4203, 0.4628



16.6630, 0.3192, 0.3138



11.8216, 0.4354, 0.2172

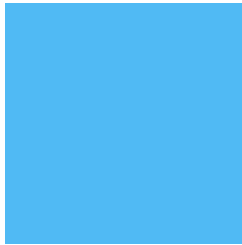


1.0585, 0.4173, 0.2072



# Previews

## White Background



This preview shows how the Yxy color 43.3549, 0.2156, 0.2513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

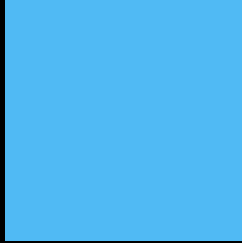
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.3549, 0.2156, 0.2513 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

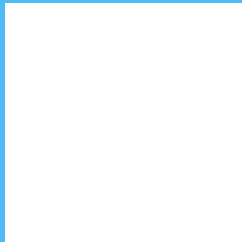
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.3549, 0.2156, 0.2513**

## Background



This preview shows how black text looks on a background with the Yxy color 43.3549, 0.2156, 0.2513.



This preview shows how white text looks on a background with the Yxy color 43.3549, 0.2156, 0.2513.

# 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

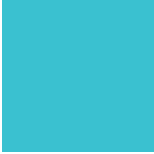
43.3549, 0.2156, 0.2513

### Protanopia

43.0968, 0.2569, 0.2523

### Deuteranopia

42.9921, 0.2437, 0.2374



## Tritanopia

43.5935, 0.2265, 0.3066

# Trichromacy



**Original Color**

43.3549, 0.2156, 0.2513

**Protanomaly**

42.7597, 0.2381, 0.2511

**Deuteranomaly**

42.7797, 0.2310, 0.2418

**Tritanomaly**

43.2056, 0.2220, 0.2845

# Monochromacy



**Original Color**

43.3549, 0.2156, 0.2513

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

37.4166, 0.2654, 0.2982

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.3549, 0.2156, 0.2513 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(80, 186, 244)` looks like.

```
.text, #text, p{  
    color:rgb(80, 186, 244)  
}
```

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(80, 186, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 186, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 43.3549, 0.2156, 0.2513 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(80, 186, 244) }
```

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

```
.border{ border-color:rgb(80, 186, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 186, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 186, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 186, 244);  
box-shadow:4px 4px 4px 4px rgb(80, 186,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.3549, 0.2156, 0.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 186, 244) }
```

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

```
.background{ background-color: rgb(80, 186,  
244) }
```

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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