

# Converting Colors

$Yxy(43.1321, 0.2118, 0.2445)$

Have a look what the booklet for  
Yxy(43.1321, 0.2118, 0.2445)  
contains.

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# Color

**Yxy(43.0333, 0.2118, 0.2440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BB9F9
RGB	75, 185, 249
RGB Percent	29%, 73%, 98%
CMY	0.7057, 0.2745, 0.0234
CMYK	0.70, 0.26, 0.00, 0.02
HSL	202°, 94%, 64%
HSV	202°, 70%, 98%
XYZ	37.3543, 43.0333, 95.9784
YIQ	159.4060, -86.1040, -3.4160

# Conversions

## Conversions Part 2

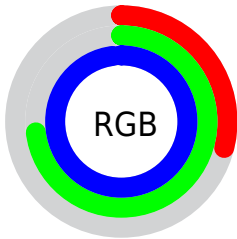
Format	Color
R <sub>Y</sub> B	75, 142, 249
Decimal	4962809
CIE Lab	71.58, -11.25, -40.77
CIE LCh	72, 42.291, 254.579
Yxy	43.0333, 0.2118, 0.2440
Android (android.graphics.Color)	4283152889 (0xFF4BB9F9)
YUV	159.4060, 44.1698, -74.0241
Hunter-Lab	65.5998, -13.1568, -40.8268

# Details

The Yxy color **43.0333, 0.2118, 0.2440** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **39.1394, 0.4942, 0.3901**, and the grayscale version is **34.6963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8814, 0.2500, 0.3128**, and **20.3083, 0.1954, 0.2233** is the 20% darker color. If you saturate the color by 10%, you get **38.5072, 0.2022, 0.2296**, and if you desaturate by 10%, it is **48.2023, 0.2233, 0.2583**.

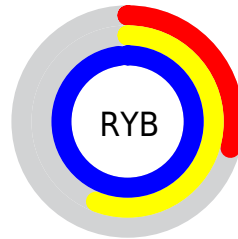
# Distribution



Red (29%)

Green (73%)

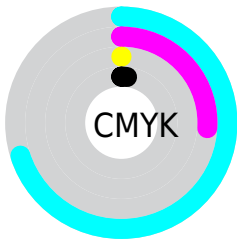
Blue (98%)



Red (29%)

Yellow (56%)

Blue (98%)

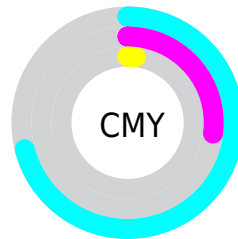


Cyan (70%)

Magenta (26%)

Yellow (0%)

Black (2%)



Cyan (71%)

Magenta (27%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0333, 0.2118, 0.2440 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 43.0333, 0.2118, 0.2440 by changing the saturation by 10% instead.



43.0333, 0.2118,  
0.2440

43.0333, 0.2118,  
0.2440

358.7487, 0.2603,  
0.2862

29.9112, 0.2006,  
0.2338

79.7611, 0.2288,  
0.2591

19.7712, 0.1867,  
0.2211

104.1357, 0.2354,  
0.2649

12.2289, 0.1693,  
0.2048

133.0298, 0.2410,  
0.2698

6.8997, 0.1471,  
0.1833

166.8280, 0.2459,  
0.2740

3.3995, 0.1183,  
0.1544

205.9146, 0.2502,  
0.2777

1.3437, 0.0812,  
0.1152

250.6739, 0.2539,

0.1746, 0.0000,

0.2809

0.0345

301.4905, 0.2573,  
0.2837

■ 0.0000, 0.0000,  
0.0000

■ 43.0333, 0.2118,  
0.2440

■ 43.0333, 0.2118,  
0.2440

■ 38.5072, 0.2022,  
0.2296

■ 48.2023, 0.2233,  
0.2583

■ 34.5660, 0.1948,  
0.2154

■ 54.0553, 0.2365,  
0.2721

■ 31.1272, 0.1893,  
0.2015

■ 60.6338, 0.2509,  
0.2854

■ 31.0826, 0.1893,  
0.2013

■ 67.9743, 0.2661,  
0.2978

■ 76.1102, 0.2817,  
0.3092

■ 85.0725, 0.2974,  
0.3197

■ 94.8906, 0.3129,  
0.3291

■ 99.6210, 0.3162,  
0.3347

# Harmonies

## Analogous

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



43.0333, 0.2054, 0.2773



43.0333, 0.2118, 0.2440



43.0333, 0.2420, 0.2342

# Triad

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



43.0333, 0.2118, 0.2440



43.0333, 0.4085, 0.3156



43.0333, 0.3230, 0.4344

# Complementary

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



43.0333, 0.2118, 0.2440



39.1394, 0.4942, 0.3901

# 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.



43.0333, 0.3802, 0.4359



43.0333, 0.2118, 0.2440



43.0333, 0.4334, 0.3621

# Square

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



43.0333, 0.2118, 0.2440



43.0333, 0.3548, 0.2745



43.0333, 0.4217, 0.4062



43.0333, 0.2658, 0.3940



# Rectangle

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



43.0333, 0.2118, 0.2440



43.0333, 0.2741, 0.2397



43.0333, 0.4217, 0.4062



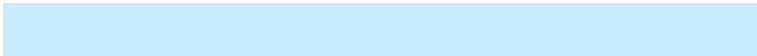
43.0333, 0.3428, 0.4393

# Sweetspot

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



43.0348, 0.2118, 0.2440



79.2841, 0.2799, 0.3080



71.1230, 0.2791, 0.4790



16.4495, 0.2755, 0.3049



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.



43.0348, 0.2118, 0.2440



38.8043, 0.1988, 0.2235



17.1197, 0.1832, 0.1285



18.4717, 0.2980, 0.3201



16.9152, 0.1899, 0.2035



1.7690, 0.1945, 0.2202



# Inverse Universe

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



28.6851, 0.3939, 0.2244



25.9734, 0.4178, 0.2175



74.9511, 0.4218, 0.4684



17.4098, 0.3195, 0.3141



12.1185, 0.4413, 0.2205

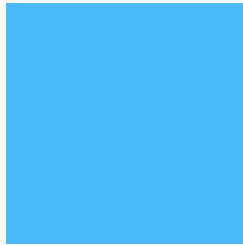


1.1428, 0.4230, 0.2104



# Previews

## White Background



This preview shows how the Yxy color 43.0333, 0.2118, 0.2440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

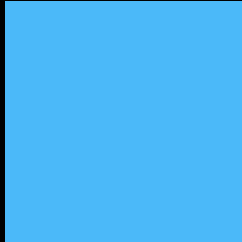
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.0333, 0.2118, 0.2440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

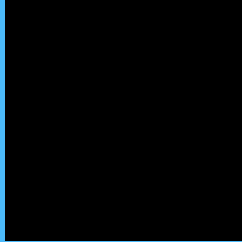
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

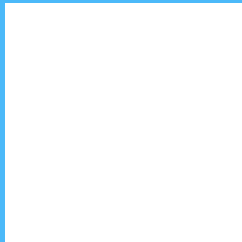
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.0333, 0.2118, 0.2440**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.0333, 0.2118, 0.2440.

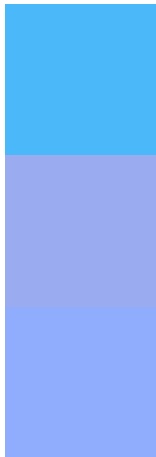


This preview shows how white text looks on a background with the Yxy color 43.0333, 0.2118, 0.2440.

# 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

43.0333, 0.2118, 0.2440

### Protanopia

42.6071, 0.2511, 0.2451

### Deuteranopia

42.7551, 0.2375, 0.2316



## Tritanopia

43.2748, 0.2236, 0.3064

# Trichromacy



**Original Color**

43.0333, 0.2118, 0.2440

**Protanomaly**

42.2753, 0.2327, 0.2437

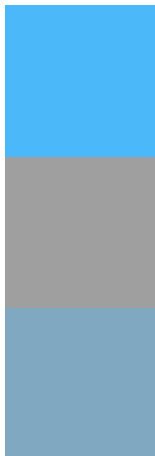
**Deuteranomaly**

42.2609, 0.2254, 0.2346

**Tritanomaly**

43.0245, 0.2187, 0.2816

# Monochromacy



**Original Color**

43.0333, 0.2118, 0.2440

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

36.4002, 0.2614, 0.2935

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.0333, 0.2118, 0.2440 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(75, 185, 249)` looks like.

```
.text, #text, p{  
    color:rgb(75, 185, 249)  
}
```

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(75, 185, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 185, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0333, 0.2118, 0.2440 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(75, 185, 249) }
```

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

```
.border{ border-color:rgb(75, 185, 249) }
```

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

Here you see how a box with a 4 pixel rgb(75, 185, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 185, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 185, 249);  
box-shadow:4px 4px 4px 4px rgb(75, 185,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0333, 0.2118, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 185, 249) }
```

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

```
.background{ background-color: rgb(75, 185,  
249) }
```

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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