

# Converting Colors

$Yxy(55.7177, 0.2141, 0.2458)$

Have a look what the booklet for  
Yxy(55.7177, 0.2141, 0.2458)  
contains.

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# Color

**Yxy(54.0698, 0.2218, 0.2684)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BCFFF
RGB	91, 207, 255
RGB Percent	36%, 81%, 100%
CMY	0.6429, 0.1882, 0.0000
CMYK	0.64, 0.19, 0.00, 0.00
HSL	198°, 100%, 68%
HSV	198°, 64%, 100%
XYZ	44.6821, 54.0698, 102.7004
YIQ	177.7880, -84.5440, -9.6640

# Conversions

## Conversions Part 2

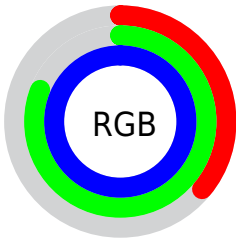
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	91, 159, 255
Decimal	6017023
CIE Lab	78.50, -18.56, -33.21
CIE LCh	79, 38.040, 240.797
Yxy	54.0698, 0.2218, 0.2684
Android (android.graphics.Color)	4284207103 (0xFF5BCFFF)
YUV	177.7880, 38.0655, -76.1131
Hunter-Lab	73.5322, -20.2150, -31.3362

# Details

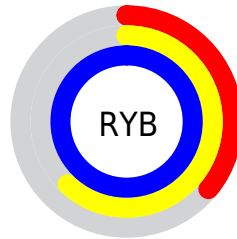
The Yxy color **54.0698, 0.2218, 0.2684** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.4979, 0.4857, 0.3756**, and the grayscale version is **44.2390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **26.8597, 0.2038, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **49.4540, 0.2123, 0.2572**, and if you desaturate by 10%, it is **59.2988, 0.2332, 0.2794**.

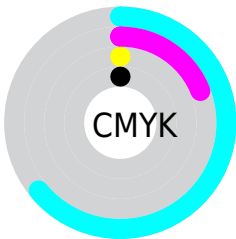
# Distribution



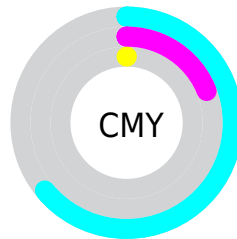
- Red (36%)
- Green (81%)
- Blue (100%)



- Red (36%)
- Yellow (62%)
- Blue (100%)



- Cyan (64%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (19%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0698, 0.2218, 0.2684 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 54.0698, 0.2218, 0.2684 by changing the saturation by 10% instead.





 54.0698, 0.2218,  
0.2684

 54.0698, 0.2218,  
0.2684


402.3761, 0.2642,  
0.2983

 38.6575, 0.2122,  
0.2612


 96.1767, 0.2365,  
0.2791


 26.4934, 0.2005,  
0.2522


 123.6401, 0.2422,  
0.2832

 17.1931, 0.1858,  
0.2406


 155.8893, 0.2471,  
0.2866

 10.3723, 0.1672,  
0.2251

 193.3087, 0.2514,  
0.2896

 5.6465, 0.1429,  
0.2040

236.2827, 0.2552,  
0.2922

 2.6313, 0.1107,  
0.1737

285.1956, 0.2585,

 0.9424, 0.0611,

0.2945

0.1303

340.4320, 0.2615,  
0.2965

0.0000, 0.0000,  
0.0000

54.0698, 0.2218,  
0.2684

54.0698, 0.2218,  
0.2684

49.4540, 0.2123,  
0.2572

59.2988, 0.2332,  
0.2794

45.3995, 0.2048,  
0.2460

65.1805, 0.2461,  
0.2900

41.8476, 0.1993,  
0.2349

71.7537, 0.2602,  
0.3000

39.9984, 0.1969,  
0.2286

79.0530, 0.2751,  
0.3094

87.1101, 0.2905,  
0.3180

95.9546, 0.3061,  
0.3259

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



54.0698, 0.2264, 0.3061



54.0698, 0.2218, 0.2684



54.0698, 0.2387, 0.2502

# Triad

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



54.0698, 0.2218, 0.2684



54.0698, 0.3741, 0.3011



54.0698, 0.3452, 0.4207

# Complementary

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



54.0698, 0.2218, 0.2684



40.4979, 0.4857, 0.3756

# 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.



54.0698, 0.3885, 0.4103



54.0698, 0.2218, 0.2684



54.0698, 0.4073, 0.3400

# Square

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



54.0698, 0.2218, 0.2684



54.0698, 0.3243, 0.2697



54.0698, 0.4121, 0.3794



54.0698, 0.2953, 0.4010



# Rectangle

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



54.0698, 0.2218, 0.2684



54.0698, 0.2609, 0.2489



54.0698, 0.4121, 0.3794



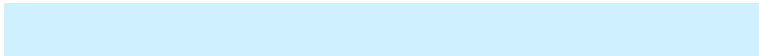
54.0698, 0.3611, 0.4203

# Sweetspot

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



54.0708, 0.2218, 0.2684



83.2211, 0.2832, 0.3141



75.5675, 0.2856, 0.4835



17.3249, 0.2788, 0.3116



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.



54.0708, 0.2218, 0.2684



48.3032, 0.2100, 0.2542



24.5160, 0.1965, 0.1611



19.5302, 0.2980, 0.3219



21.1710, 0.1974, 0.2305



2.2505, 0.2009, 0.2430



# Inverse Universe

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



33.2561, 0.3701, 0.2188



28.4067, 0.3859, 0.2071



72.9292, 0.4237, 0.4505



18.2044, 0.3183, 0.3123



12.8652, 0.4122, 0.2044

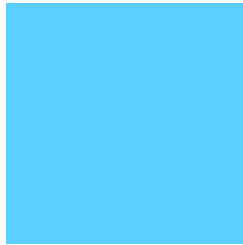


1.2717, 0.3992, 0.1973



# Previews

## White Background



This preview shows how the Yxy color 54.0698, 0.2218, 0.2684 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

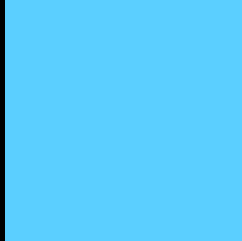
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.0698, 0.2218, 0.2684 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

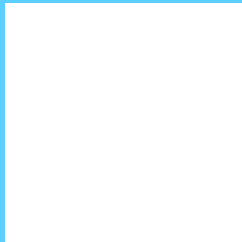
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.0698, 0.2218, 0.2684**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0698, 0.2218, 0.2684.



This preview shows how white text looks on a background with the Yxy color 54.0698, 0.2218, 0.2684.

# 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

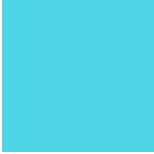
54.0698, 0.2218, 0.2684

### Protanopia

53.4360, 0.2690, 0.2681

### Deuteranopia

53.2770, 0.2593, 0.2541



## **Tritanopia**

54.3219, 0.2295, 0.3060

# Trichromacy



**Original Color**

54.0698, 0.2218, 0.2684

**Protanomaly**

52.9438, 0.2479, 0.2680

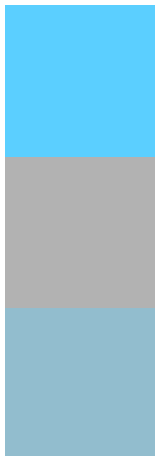
**Deuteranomaly**

52.7196, 0.2421, 0.2580

**Tritanomaly**

54.0601, 0.2266, 0.2920

# Monochromacy



**Original Color**

54.0698, 0.2218, 0.2684

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

46.9624, 0.2685, 0.3061

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0698, 0.2218, 0.2684 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(91, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 207, 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(91, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 207, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0698, 0.2218, 0.2684 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(91, 207, 255) }
```

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

```
.border{ border-color:rgb(91, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(91, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 207,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0698, 0.2218, 0.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 207, 255) }
```

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

```
.background{ background-color: rgb(91, 207,  
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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