

# Converting Colors

$Yxy(68.7774, 0.2286, 0.3050)$

Have a look what the booklet for  
Yxy(68.7774, 0.2286, 0.3050)  
contains.

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# Color

**Yxy(68.5215, 0.2284, 0.3045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54EBFF
RGB	84, 235, 255
RGB Percent	33%, 92%, 100%
CMY	0.6715, 0.0783, 0.0001
CMYK	0.67, 0.08, 0.00, 0.00
HSL	187°, 100%, 66%
HSV	187°, 67%, 100%
XYZ	51.3968, 68.5215, 105.1113
YIQ	192.1310, -96.4160, -25.7920

# Conversions

## Conversions Part 2

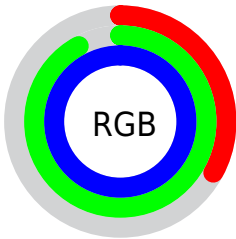
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 164, 255
Decimal	5565439
CIELab	86.27, -33.45, -21.34
CIELCh	86, 39.681, 212.537
Yxy	68.5215, 0.2284, 0.3045
Android (android.graphics.Color)	4283755519 (0xFF54EBFF)
YUV	192.1310, 30.9944, -94.8309
Hunter-Lab	82.7777, -34.0302, -17.3422

# Details

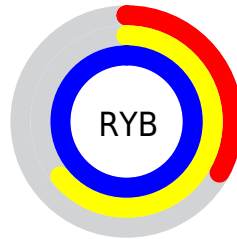
The Yxy color **68.5215, 0.2284, 0.3045** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **31.7412, 0.5222, 0.3471**, and the grayscale version is **52.6163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **36.3174, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **65.8691, 0.2220, 0.3004**, and if you desaturate by 10%, it is **71.6350, 0.2368, 0.3086**.

# Distribution



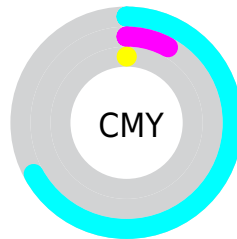
- Red (33%)
- Green (92%)
- Blue (100%)



- Red (33%)
- Yellow (64%)
- Blue (100%)



- Cyan (67%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (67%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5215, 0.2284, 0.3045 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 68.5215, 0.2284, 0.3045 by changing the saturation by 10% instead.




 68.5215, 0.2284,  
0.3045

 68.5215, 0.2284,  
0.3045


455.3415, 0.2664,  
0.3172

 50.3221, 0.2200,  
0.3013


 117.0979, 0.2413,  
0.3091


 35.6694, 0.2099,  
0.2973


 148.2437, 0.2464,  
0.3109

 24.1790, 0.1973,  
0.2919


 184.4737, 0.2509,  
0.3123

 15.4664, 0.1815,  
0.2846

 226.1724, 0.2548,  
0.3136

 9.1474, 0.1609,  
0.2742

273.7241, 0.2582,  
0.3147

 4.8374, 0.1336,  
0.2584

327.5133, 0.2612,

 2.1522, 0.0968,

0.3156

387.9243, 0.2640,  
0.3164

0.2325

0.6937, 0.0000,  
0.1930

0.0000, 0.0000,  
0.0000

68.5215, 0.2284,  
0.3045

68.5215, 0.2284,  
0.3045

65.8691, 0.2220,  
0.3004

71.6350, 0.2368,  
0.3086

63.6209, 0.2175,  
0.2963

75.2438, 0.2470,  
0.3126

61.7163, 0.2148,  
0.2922

79.3874, 0.2589,  
0.3165

61.2087, 0.2142,  
0.2911

84.0991, 0.2721,  
0.3202

■ 89.4093, 0.2865,  
0.3237

■ 95.3462, 0.3016,  
0.3269

99.9991, 0.3127,  
0.3290

# Harmonies

## Analogous

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



68.5215, 0.2524, 0.3523



68.5215, 0.2284, 0.3045



68.5215, 0.2252, 0.2690

# Triad

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



68.5215, 0.2284, 0.3045



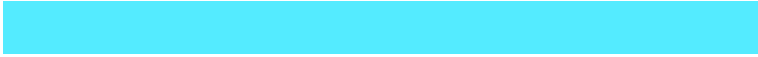
68.5215, 0.3269, 0.2731



68.5215, 0.3839, 0.4088

# Complementary

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



68.5215, 0.2284, 0.3045



31.7412, 0.5222, 0.3471

# 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.



68.5215, 0.4080, 0.3799



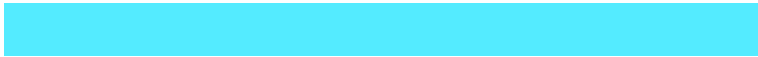
68.5215, 0.2284, 0.3045



68.5215, 0.3744, 0.3042

# Square

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



68.5215, 0.2284, 0.3045



68.5215, 0.2788, 0.2545



68.5215, 0.4049, 0.3421



68.5215, 0.3415, 0.4170

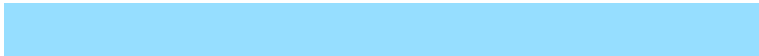


# Rectangle

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



68.5215, 0.2284, 0.3045



68.5215, 0.2347, 0.2558



68.5215, 0.4049, 0.3421



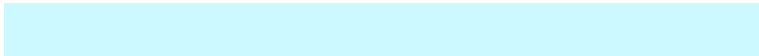
68.5215, 0.3945, 0.4009

# Sweetspot

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



68.5240, 0.2284, 0.3045



87.8421, 0.2823, 0.3227



74.3227, 0.2971, 0.5290



18.4796, 0.2783, 0.3217



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.



68.5240, 0.2284, 0.3045



64.9657, 0.2200, 0.2988



31.6340, 0.2015, 0.1934



20.0985, 0.2980, 0.3261



32.1309, 0.2144, 0.2917



3.2265, 0.2157, 0.2964



# Inverse Universe

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



33.5624, 0.3395, 0.1919



29.1758, 0.3457, 0.1778



57.2230, 0.4517, 0.4273



18.2617, 0.3156, 0.3083



13.9716, 0.3528, 0.1717

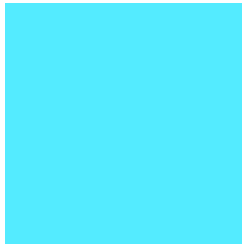


1.3703, 0.3486, 0.1694



# Previews

## White Background



This preview shows how the Yxy color 68.5215, 0.2284, 0.3045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

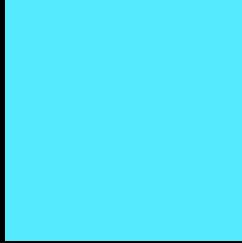
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.5215, 0.2284, 0.3045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

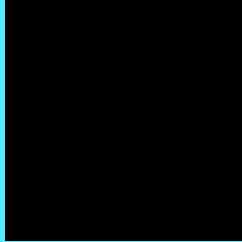
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.5215, 0.2284, 0.3045**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5215, 0.2284, 0.3045.

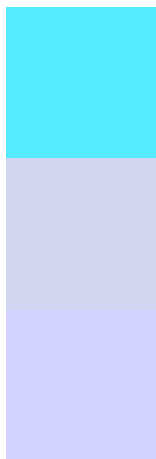


This preview shows how white text looks on a background with the Yxy color 68.5215, 0.2284, 0.3045.

# 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

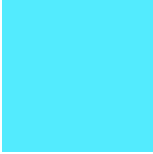
68.5215, 0.2284, 0.3045

### Protanopia

67.5814, 0.2929, 0.2995

### Deuteranopia

67.3102, 0.2849, 0.2810



## **Tritanopia**

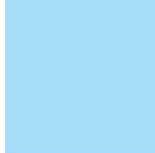
68.4114, 0.2286, 0.3056

# Trichromacy



## Original Color

68.5215, 0.2284, 0.3045



## Protanomaly

66.1980, 0.2621, 0.3009



## Deuteranomaly

65.8824, 0.2572, 0.2877



## Tritanomaly

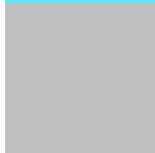
68.4114, 0.2286, 0.3056

# Monochromacy



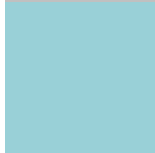
## Original Color

68.5215, 0.2284, 0.3045



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

56.7904, 0.2702, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5215, 0.2284, 0.3045 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(84, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 235, 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(84, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5215, 0.2284, 0.3045 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(84, 235, 255) }
```

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

```
.border{ border-color:rgb(84, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 235,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5215, 0.2284, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 235, 255) }
```

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

```
.background{ background-color: rgb(84, 235,  
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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