

# Converting Colors

$Yxy(67.2838, 0.2298, 0.3010)$

Have a look what the booklet for  
Yxy(67.2838, 0.2298, 0.3010)  
contains.

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# Color

**Yxy(67.2085, 0.2297, 0.3008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CE8FF
RGB	92, 232, 255
RGB Percent	36%, 91%, 100%
CMY	0.6393, 0.0902, 0.0000
CMYK	0.64, 0.09, 0.00, 0.00
HSL	188°, 100%, 68%
HSV	188°, 64%, 100%
XYZ	51.3224, 67.2085, 104.9016
YIQ	192.7620, -90.8230, -22.5270

# Conversions

## Conversions Part 2

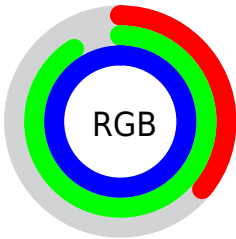
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	92, 167, 255
Decimal	6088959
CIE Lab	85.61, -30.82, -22.34
CIE LCh	86, 38.064, 215.945
Yxy	67.2085, 0.2297, 0.3008
Android (android.graphics.Color)	4284279039 (0xFF5CE8FF)
YUV	192.7620, 30.6833, -88.3683
Hunter-Lab	81.9808, -31.7200, -18.4802

# Details

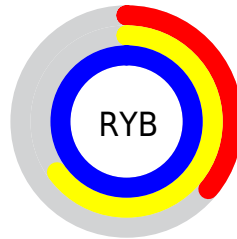
The Yxy color **67.2085, 0.2297, 0.3008** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **34.2901, 0.5044, 0.3509**, and the grayscale version is **53.0355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **35.1279, 0.2149, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **64.1048, 0.2223, 0.2958**, and if you desaturate by 10%, it is **70.7961, 0.2390, 0.3058**.

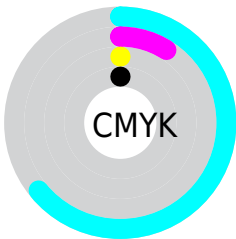
# Distribution



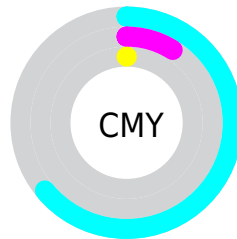
- Red (36%)
- Green (91%)
- Blue (100%)



- Red (36%)
- Yellow (65%)
- Blue (100%)



- Cyan (64%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (9%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2085, 0.2297, 0.3008 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 67.2085, 0.2297, 0.3008 by changing the saturation by 10% instead.





 67.2085, 0.2297,  
0.3008

 67.2085, 0.2297,  
0.3008


450.6866, 0.2673,  
0.3152


 49.2541, 0.2214,  
0.2972


 115.2191, 0.2425,  
0.3060


 34.8211, 0.2113,  
0.2927


 146.0441, 0.2476,  
0.3080

 23.5251, 0.1988,  
0.2868


 181.9281, 0.2519,  
0.3096

 14.9817, 0.1830,  
0.2788

 223.2555, 0.2558,  
0.3111

 8.8065, 0.1625,  
0.2674

270.4106, 0.2591,  
0.3123

 4.6152, 0.1351,  
0.2503

323.7779, 0.2621,

 2.0233, 0.0980,

0.3134

0.2226

383.7417, 0.2648,  
0.3143

0.6210, 0.0000,  
0.1773

0.0000, 0.0000,  
0.0000

67.2085, 0.2297,  
0.3008

67.2085, 0.2297,  
0.3008

64.1048, 0.2223,  
0.2958

70.7961, 0.2390,  
0.3058

61.4372, 0.2169,  
0.2907

74.9067, 0.2501,  
0.3107

59.1493, 0.2134,  
0.2857

79.5765, 0.2627,  
0.3154

57.8960, 0.2119,  
0.2827

84.8377, 0.2765,  
0.3198

■ 90.7202, 0.2913,  
0.3238

■ 97.2516, 0.3066,  
0.3276

■ 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.



67.2085, 0.2509, 0.3462



67.2085, 0.2297, 0.3008



67.2085, 0.2289, 0.2683

# Triad

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



67.2085, 0.2297, 0.3008



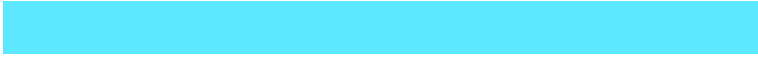
67.2085, 0.3320, 0.2778



67.2085, 0.3776, 0.4082

# Complementary

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



67.2085, 0.2297, 0.3008



34.2901, 0.5044, 0.3509

# 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.



67.2085, 0.4033, 0.3823



67.2085, 0.2297, 0.3008



67.2085, 0.3767, 0.3090

# Square

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



67.2085, 0.2297, 0.3008



67.2085, 0.2849, 0.2581



67.2085, 0.4035, 0.3462

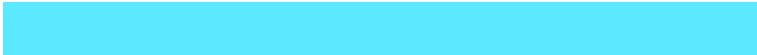


67.2085, 0.3354, 0.4129

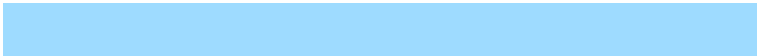


# Rectangle

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



67.2085, 0.2297, 0.3008



67.2085, 0.2396, 0.2568



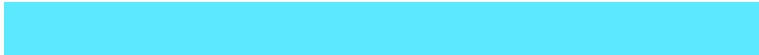
67.2085, 0.4035, 0.3462



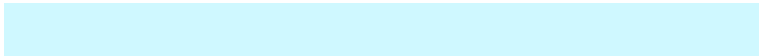
67.2085, 0.3886, 0.4014

# Sweetspot

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



67.2089, 0.2297, 0.3008



87.6568, 0.2837, 0.3218



75.0031, 0.2954, 0.5129



18.4079, 0.2795, 0.3206



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.



67.2089, 0.2297, 0.3008



63.2411, 0.2204, 0.2942



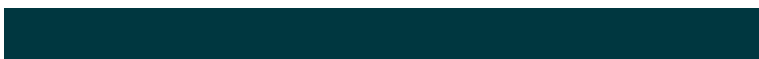
31.8723, 0.2046, 0.1937



20.0187, 0.2980, 0.3256



30.4198, 0.2121, 0.2836



3.0766, 0.2137, 0.2892



# Inverse Universe

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



34.7380, 0.3422, 0.1993



29.9147, 0.3493, 0.1843



61.1649, 0.4402, 0.4292



18.2537, 0.3160, 0.3088



13.7989, 0.3602, 0.1758

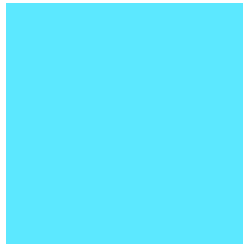


1.3551, 0.3550, 0.1729



# Previews

## White Background



This preview shows how the Yxy color 67.2085, 0.2297, 0.3008 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

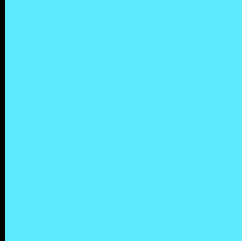
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.2085, 0.2297, 0.3008 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 67.2085, 0.2297, 0.3008**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2085, 0.2297, 0.3008.



This preview shows how white text looks on a background with the Yxy color 67.2085, 0.2297, 0.3008.

# 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

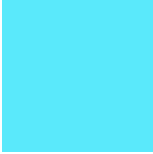
67.2085, 0.2297, 0.3008

### Protanopia

66.3493, 0.2908, 0.2960

### Deuteranopia

65.8871, 0.2828, 0.2785



## **Tritanopia**

67.4165, 0.2310, 0.3067

# Trichromacy



## Original Color

67.2085, 0.2297, 0.3008



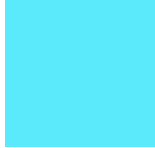
## Protanomaly

65.4238, 0.2624, 0.2975



## Deuteranomaly

64.9527, 0.2574, 0.2854



## Tritanomaly

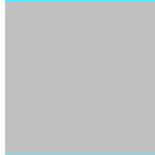
67.5302, 0.2309, 0.3056

# Monochromacy



## Original Color

67.2085, 0.2297, 0.3008



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

56.6514, 0.2714, 0.3175

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2085, 0.2297, 0.3008 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(92, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 232, 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(92, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 232, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2085, 0.2297, 0.3008 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(92, 232, 255) }
```

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

```
.border{ border-color:rgb(92, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(92, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 232,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2085, 0.2297, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 232, 255) }
```

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

```
.background{ background-color: rgb(92, 232,  
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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