

# Converting Colors

$Y_{xy}(57.4398, 0.2265, 0.2903)$

Have a look what the booklet for  
Yxy(57.4398, 0.2265, 0.2903)  
contains.

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# Color

**Yxy(57.2331, 0.2263, 0.2892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56D7F6
RGB	86, 215, 246
RGB Percent	34%, 84%, 96%
CMY	0.6621, 0.1569, 0.0353
CMYK	0.65, 0.13, 0.00, 0.04
HSL	192°, 90%, 65%
HSV	192°, 65%, 96%
XYZ	44.7851, 57.2331, 95.8833
YIQ	179.9630, -86.8350, -17.7070

# Conversions

## Conversions Part 2

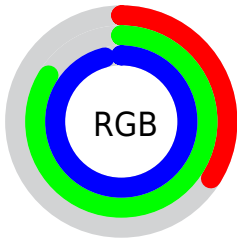
Format	Color
R <sub>Y</sub> B	86, 157, 246
Decimal	5691382
CIE Lab	80.31, -26.06, -25.65
CIE LCh	80, 36.561, 224.549
Yxy	57.2331, 0.2263, 0.2892
Android (android.graphics.Color)	4283881462 (0xFF56D7F6)
YUV	179.9630, 32.5562, -82.4056
Hunter-Lab	75.6526, -26.7229, -22.1883

# Details

The Yxy color **57.2331, 0.2263, 0.2892** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **33.0380, 0.5014, 0.3595**, and the grayscale version is **45.5030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **28.8593, 0.2105, 0.2779** is the 20% darker color. If you saturate the color by 10%, you get **53.8626, 0.2184, 0.2821**, and if you desaturate by 10%, it is **61.0807, 0.2362, 0.2962**.

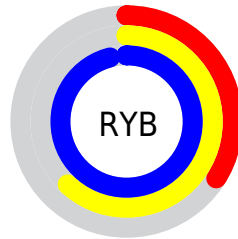
# Distribution



Red (34%)

Green (84%)

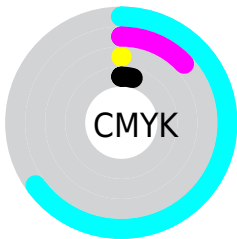
Blue (96%)



Red (34%)

Yellow (62%)

Blue (96%)

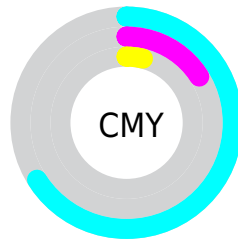


Cyan (65%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (66%)

Magenta (16%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2331, 0.2263, 0.2892 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 57.2331, 0.2263, 0.2892 by changing the saturation by 10% instead.




 57.2331, 0.2263,  
0.2892


 57.2331, 0.2263,  
0.2892


414.3222, 0.2664,  
0.3094


 41.1924, 0.2172,  
0.2842


 100.8052, 0.2402,  
0.2965

 28.4695, 0.2061,  
0.2778


 129.1055, 0.2456,  
0.2993

 18.6799, 0.1922,  
0.2694


 162.2610, 0.2502,  
0.3016

 11.4392, 0.1744,  
0.2580

 200.6563, 0.2543,  
0.3036

 6.3630, 0.1511,  
0.2418

244.6756, 0.2579,  
0.3054

 3.0671, 0.1196,  
0.2174

294.7035, 0.2610,

 1.1668, 0.0692,

0.3069

0.1798

351.1242, 0.2638,  
0.3082

0.0344, 0.0000,  
0.0160

0.0000, 0.0000,  
0.0000

57.2331, 0.2263,  
0.2892

57.2331, 0.2263,  
0.2892

53.8626, 0.2184,  
0.2821

61.0807, 0.2362,  
0.2962

50.9191, 0.2124,  
0.2749

65.4368, 0.2477,  
0.3030

48.3510, 0.2083,  
0.2679

70.3369, 0.2607,  
0.3095

47.1619, 0.2068,  
0.2643

75.8113, 0.2748,  
0.3157

81.8879, 0.2897,  
0.3214

88.5926, 0.3050,  
0.3266

95.3029, 0.3184,  
0.3313

98.2832, 0.3180,  
0.3359

99.4345, 0.3179,  
0.3376

# Harmonies

## Analogous

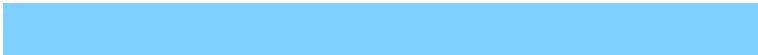
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.2331, 0.2419, 0.3325



57.2331, 0.2263, 0.2892



57.2331, 0.2314, 0.2615

# Triad

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



57.2331, 0.2263, 0.2892



57.2331, 0.3462, 0.2853



57.2331, 0.3674, 0.4133

# Complementary

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



57.2331, 0.2263, 0.2892



33.0380, 0.5014, 0.3595

# 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.



57.2331, 0.3994, 0.3920



57.2331, 0.2263, 0.2892



57.2331, 0.3878, 0.3192

# Square

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



57.2331, 0.2263, 0.2892



57.2331, 0.2975, 0.2615



57.2331, 0.4076, 0.3573



57.2331, 0.3220, 0.4103

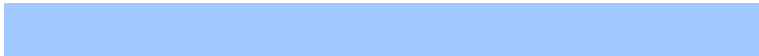


# Rectangle

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



57.2331, 0.2263, 0.2892



57.2331, 0.2460, 0.2535



57.2331, 0.4076, 0.3573



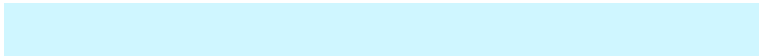
57.2331, 0.3801, 0.4084

# Sweetspot

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



57.2352, 0.2263, 0.2892



86.0867, 0.2835, 0.3191



69.1537, 0.2921, 0.5059



18.0238, 0.2793, 0.3175



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.



57.2352, 0.2263, 0.2892



57.3774, 0.2162, 0.2798



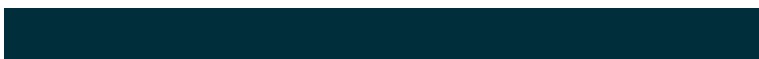
26.4723, 0.2005, 0.1805



18.1791, 0.2980, 0.3243



25.3702, 0.2071, 0.2655



2.3665, 0.2096, 0.2744



# Inverse Universe

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



31.1836, 0.3521, 0.2048



29.0763, 0.3622, 0.1911



59.4772, 0.4361, 0.4374



16.7099, 0.3168, 0.3101



12.6605, 0.3771, 0.1851

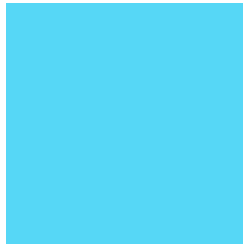


1.1265, 0.3687, 0.1805



# Previews

## White Background



This preview shows how the Yxy color 57.2331, 0.2263, 0.2892 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

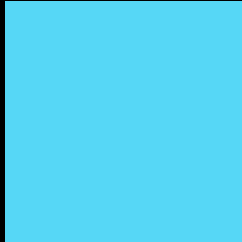
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.2331, 0.2263, 0.2892 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 57.2331, 0.2263, 0.2892**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2331, 0.2263, 0.2892.



This preview shows how white text looks on a background with the Yxy color 57.2331, 0.2263, 0.2892.

# 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

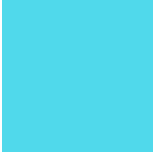
57.2331, 0.2263, 0.2892

### Protanopia

56.3102, 0.2826, 0.2858

### Deuteranopia

56.3674, 0.2706, 0.2644



## **Tritanopia**

57.3293, 0.2295, 0.3052

# Trichromacy



## Original Color

57.2331, 0.2263, 0.2892



## Protanomaly

55.5603, 0.2560, 0.2860



## Deuteranomaly

55.7560, 0.2501, 0.2725



## Tritanomaly

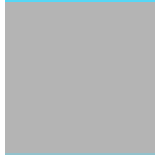
57.1376, 0.2282, 0.2989

# Monochromacy



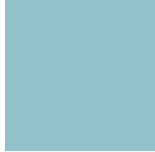
## Original Color

57.2331, 0.2263, 0.2892



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.6106, 0.2703, 0.3141

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2331, 0.2263, 0.2892 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(86, 215, 246)` looks like.

```
.text, #text, p{  
    color:rgb(86, 215, 246)  
}
```

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(86, 215, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 215, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2331, 0.2263, 0.2892 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(86, 215, 246) }
```

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

```
.border{ border-color:rgb(86, 215, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 215, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 215, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 215, 246);  
box-shadow:4px 4px 4px 4px rgb(86, 215,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2331, 0.2263, 0.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 215, 246) }
```

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

```
.background{ background-color: rgb(86, 215,  
246) }
```

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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