

# Converting Colors

$Yxy(58.8795, 0.2107, 0.2612)$

Have a look what the booklet for  
Yxy(58.8795, 0.2107, 0.2612)  
contains.

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# Color

**Yxy(57.7156, 0.2166, 0.2806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39D9FF
RGB	57, 217, 255
RGB Percent	22%, 85%, 100%
CMY	0.7765, 0.1490, 0.0000
CMYK	0.78, 0.15, 0.00, 0.00
HSL	192°, 100%, 61%
HSV	192°, 78%, 100%
XYZ	44.5517, 57.7156, 103.4191
YIQ	173.4920, -107.5580, -22.1020

# Conversions

## Conversions Part 2

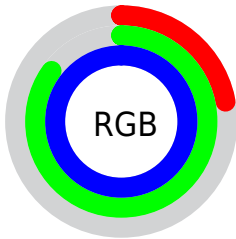
Format	Color
R <sub>Y</sub> B	57, 145, 255
Decimal	3791359
CIE Lab	80.58, -27.90, -30.08
CIE LCh	81, 41.023, 227.157
Yxy	57.7156, 0.2166, 0.2806
Android (android.graphics.Color)	4281981439 (0xFF39D9FF)
YUV	173.4920, 40.1834, -102.1635
Hunter-Lab	75.9708, -28.2708, -27.5320

# Details

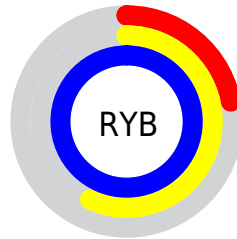
The Yxy color **57.7156, 0.2166, 0.2806** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **29.7359, 0.5551, 0.3583**, and the grayscale version is **41.8828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **29.9179, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **54.6603, 0.2112, 0.2736**, and if you desaturate by 10%, it is **61.2225, 0.2240, 0.2877**.

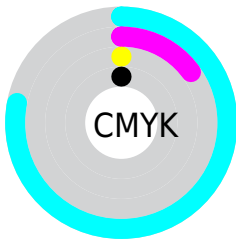
# Distribution



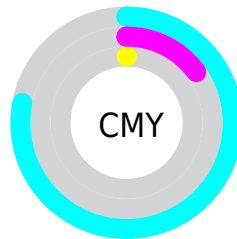
- Red (22%)
- Green (85%)
- Blue (100%)



- Red (22%)
- Yellow (57%)
- Blue (100%)



- Cyan (78%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (78%)
- Magenta (15%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7156, 0.2166, 0.2806 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 57.7156, 0.2166, 0.2806 by changing the saturation by 10% instead.



 57.7156, 0.2166,  
0.2806

 57.7156, 0.2166,  
0.2806


416.1254, 0.2608,  
0.3050

 41.5800, 0.2068,  
0.2746

 101.5086, 0.2318,  
0.2894

 28.7726, 0.1948,  
0.2670


 129.9348, 0.2377,  
0.2927

 18.9089, 0.1799,  
0.2572


 163.2267, 0.2429,  
0.2956

 11.6044, 0.1611,  
0.2440

 201.7687, 0.2474,  
0.2980

 6.4749, 0.1368,  
0.2255

245.9452, 0.2513,  
0.3001

 3.1360, 0.1052,  
0.1985

296.1405, 0.2548,

 1.2031, 0.0570,

0.3019

0.1586

352.7391, 0.2579,  
0.3036

■ 0.0643, 0.0000,  
0.0228

■ 0.0000, 0.0000,  
0.0000

■ 57.7156, 0.2166,  
0.2806

■ 57.7156, 0.2166,  
0.2806

■ 54.6603, 0.2112,  
0.2736

■ 61.2225, 0.2240,  
0.2877

■ 51.9888, 0.2077,  
0.2666

■ 65.2295, 0.2333,  
0.2947

■ 51.3953, 0.2070,  
0.2650

■ 69.7800, 0.2444,  
0.3015

■ 74.9116, 0.2570,  
0.3080

■ 80.6580, 0.2709,  
0.3142

■ 87.0505, 0.2856,  
0.3200

■ 94.1178, 0.3008,  
0.3253

■ 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.



57.7156, 0.2316, 0.3278



57.7156, 0.2166, 0.2806



57.7156, 0.2242, 0.2521

# Triad

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



57.7156, 0.2166, 0.2806



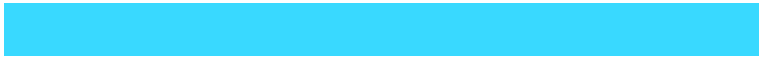
57.7156, 0.3546, 0.2833



57.7156, 0.3692, 0.4243

# Complementary

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



57.7156, 0.2166, 0.2806



29.7359, 0.5551, 0.3583

# 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.



57.7156, 0.4070, 0.4013



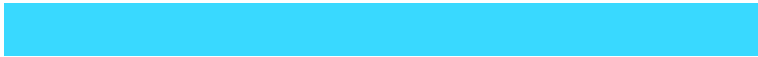
57.7156, 0.2166, 0.2806



57.7156, 0.3999, 0.3212

# Square

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



57.7156, 0.2166, 0.2806



57.7156, 0.3001, 0.2561



57.7156, 0.4193, 0.3632

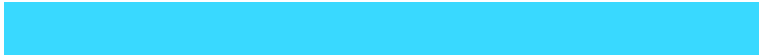


57.7156, 0.3179, 0.4189



# Rectangle

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



57.7156, 0.2166, 0.2806



57.7156, 0.2414, 0.2448



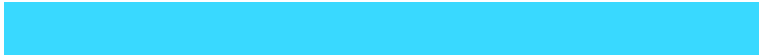
57.7156, 0.4193, 0.3632



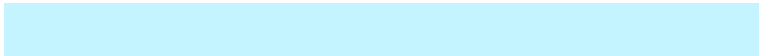
57.7156, 0.3839, 0.4192

# Sweetspot

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



57.7161, 0.2166, 0.2806



83.5511, 0.2776, 0.3170



73.1847, 0.2919, 0.5418



17.4001, 0.2723, 0.3148



0.0000, 0.0000, 0.0000

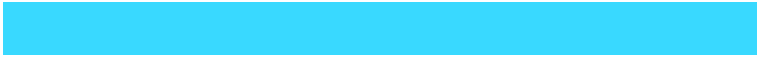


21.4041, 0.3127, 0.3290

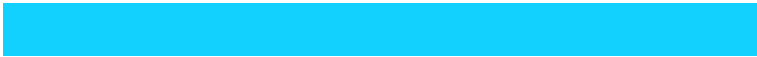


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.7161, 0.2166, 0.2806



53.1905, 0.2091, 0.2699



21.4472, 0.1819, 0.1477



19.8540, 0.2980, 0.3243



27.0661, 0.2073, 0.2662



2.7804, 0.2095, 0.2741



# Inverse Universe

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



29.1943, 0.3615, 0.1911



26.3157, 0.3727, 0.1850



59.3838, 0.4599, 0.4485



18.2371, 0.3168, 0.3100



13.4603, 0.3765, 0.1848

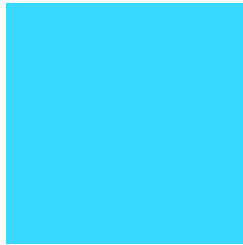


1.3252, 0.3689, 0.1806



# Previews

## White Background



This preview shows how the Yxy color 57.7156, 0.2166, 0.2806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

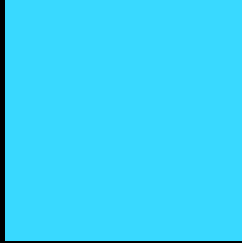
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7156, 0.2166, 0.2806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

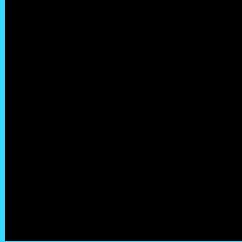
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.7156, 0.2166, 0.2806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.7156, 0.2166, 0.2806.



This preview shows how white text looks on a background with the Yxy color 57.7156, 0.2166, 0.2806.

# 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

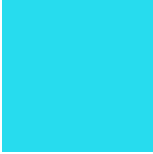
57.7156, 0.2166, 0.2806

### Protanopia

56.6495, 0.2769, 0.2771

### Deuteranopia

56.6893, 0.2664, 0.2612



## **Tritanopia**

57.7908, 0.2209, 0.3050

# Trichromacy



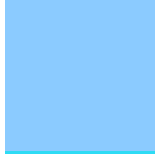
## Original Color

57.7156, 0.2166, 0.2806



## Protanomaly

55.5023, 0.2460, 0.2775



## Deuteranomaly

55.4208, 0.2405, 0.2663



## Tritanomaly

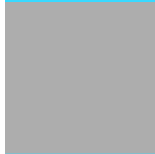
57.7755, 0.2194, 0.2962

# Monochromacy



## Original Color

57.7156, 0.2166, 0.2806



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

45.5323, 0.2606, 0.3095

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7156, 0.2166, 0.2806 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(57, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(57, 217, 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(57, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 217, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7156, 0.2166, 0.2806 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(57, 217, 255) }
```

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

```
.border{ border-color:rgb(57, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(57, 217,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7156, 0.2166, 0.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 217, 255) }
```

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

```
.background{ background-color: rgb(57, 217,  
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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