

# Converting Colors

$Yxy(56.9043, 0.2269, 0.2749)$

Have a look what the booklet for  
Yxy(56.9043, 0.2269, 0.2749)  
contains.

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# Color

**Yxy(57.1317, 0.2270, 0.2755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66D4FF
RGB	102, 212, 255
RGB Percent	40%, 83%, 100%
CMY	0.6000, 0.1686, 0.0000
CMYK	0.60, 0.17, 0.00, 0.00
HSL	197°, 100%, 70%
HSV	197°, 60%, 100%
XYZ	47.0740, 57.1317, 103.1689
YIQ	184.0120, -79.3630, -9.9470

# Conversions

## Conversions Part 2

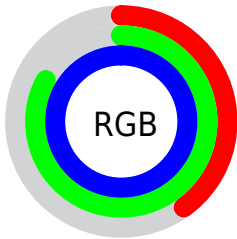
Format	Color
<a href="#">RYB</a>	102, 166, 255
Decimal	6739199
CIELab	80.25, -19.29, -30.48
CIELCh	80, 36.075, 237.673
Yxy	57.1317, 0.2270, 0.2755
Android (android.graphics.Color)	4284929279 (0xFF66D4FF)
YUV	184.0120, 34.9971, -71.9245
Hunter-Lab	75.5855, -21.1063, -28.0168

# Details

The Yxy color **57.1317, 0.2270, 0.2755** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.4675, 0.4709, 0.3720**, and the grayscale version is **47.7751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **28.2927, 0.2070, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **52.3612, 0.2168, 0.2649**, and if you desaturate by 10%, it is **62.5210, 0.2389, 0.2859**.

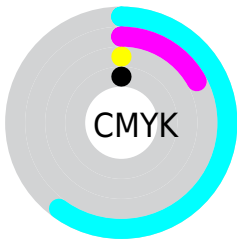
# Distribution



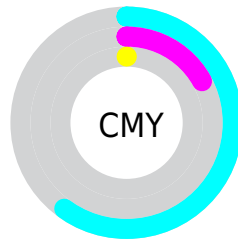
- Red (40%)
- Green (83%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (17%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1317, 0.2270, 0.2755 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 57.1317, 0.2270, 0.2755 by changing the saturation by 10% instead.




 57.1317, 0.2270,  
0.2755


 57.1317, 0.2270,  
0.2755


413.9426, 0.2667,  
0.3019

 41.1110, 0.2180,  
0.2692


 100.6573, 0.2407,  
0.2849

 28.4058, 0.2071,  
0.2612


 128.9310, 0.2461,  
0.2885

 18.6318, 0.1934,  
0.2510


 162.0579, 0.2507,  
0.2916

 11.4045, 0.1759,  
0.2374

200.4222, 0.2547,  
0.2942

 6.3396, 0.1531,  
0.2185

244.4085, 0.2583,  
0.2965

 3.0527, 0.1225,  
0.1914

294.4010, 0.2614,

 1.1593, 0.0791,

0.2985

0.1509

350.7843, 0.2642,  
0.3003

0.0281, 0.0000,  
0.0102

0.0000, 0.0000,  
0.0000

57.1317, 0.2270,  
0.2755

57.1317, 0.2270,  
0.2755

52.3612, 0.2168,  
0.2649

62.5210, 0.2389,  
0.2859

48.1613, 0.2086,  
0.2541

68.5665, 0.2523,  
0.2958

44.4788, 0.2024,  
0.2434

75.3051, 0.2666,  
0.3051

41.2274, 0.1980,  
0.2329

82.7698, 0.2817,  
0.3138

■ 90.9912, 0.2972,  
0.3218

99.9979, 0.3127,  
0.3290

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

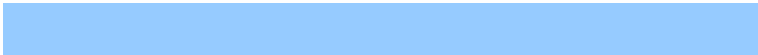
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.1317, 0.2335, 0.3125



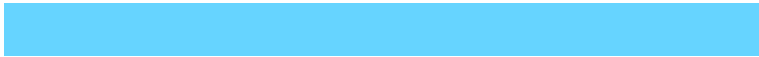
57.1317, 0.2270, 0.2755



57.1317, 0.2409, 0.2561

# Triad

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



57.1317, 0.2270, 0.2755



57.1317, 0.3656, 0.2996



57.1317, 0.3480, 0.4144

# Complementary

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



57.1317, 0.2270, 0.2755



42.4675, 0.4709, 0.3720

# 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.



57.1317, 0.3869, 0.4028



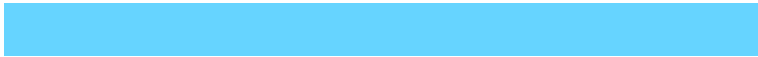
57.1317, 0.2270, 0.2755



57.1317, 0.3986, 0.3357

# Square

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



57.1317, 0.2270, 0.2755



57.1317, 0.3186, 0.2710



57.1317, 0.4062, 0.3729



57.1317, 0.3015, 0.3988



# Rectangle

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



57.1317, 0.2270, 0.2755



57.1317, 0.2607, 0.2536



57.1317, 0.4062, 0.3729



57.1317, 0.3625, 0.4132

# Sweetspot

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



57.1326, 0.2270, 0.2755



84.3544, 0.2848, 0.3155



76.3214, 0.2874, 0.4749



17.5645, 0.2803, 0.3131



0.0000, 0.0000, 0.0000

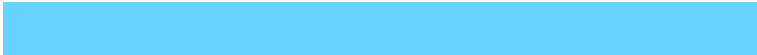


21.4041, 0.3127, 0.3290



# Same Dimension

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



57.1326, 0.2270, 0.2755



51.4781, 0.2150, 0.2627



28.1342, 0.2048, 0.1769



19.5678, 0.2980, 0.3222



21.8078, 0.1985, 0.2347



2.3084, 0.2019, 0.2467



# Inverse Universe

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



35.5152, 0.3629, 0.2227



30.1486, 0.3769, 0.2091



73.0382, 0.4182, 0.4424



18.2082, 0.3181, 0.3121



12.9295, 0.4078, 0.2020

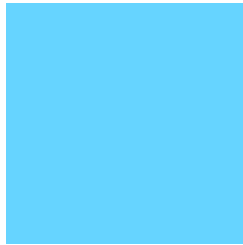


1.2776, 0.3955, 0.1952



# Previews

## White Background



This preview shows how the Yxy color 57.1317, 0.2270, 0.2755 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

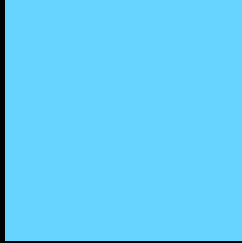
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.1317, 0.2270, 0.2755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

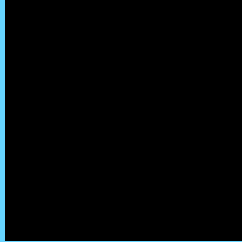
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

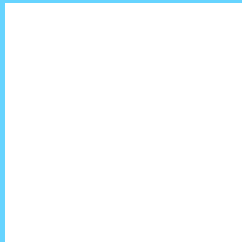
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.1317, 0.2270, 0.2755**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1317, 0.2270, 0.2755.



This preview shows how white text looks on a background with the Yxy color 57.1317, 0.2270, 0.2755.

# 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

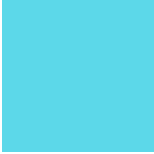
57.1317, 0.2270, 0.2755

### Protanopia

56.5157, 0.2743, 0.2748

### Deuteranopia

56.5645, 0.2658, 0.2611



## **Tritanopia**

57.2702, 0.2338, 0.3066

# Trichromacy



**Original Color**

57.1317, 0.2270, 0.2755

**Protanomaly**

56.0244, 0.2534, 0.2750

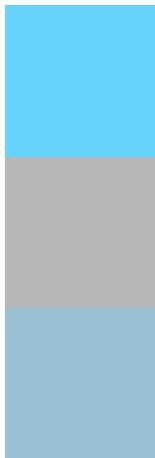
**Deuteranomaly**

55.9619, 0.2485, 0.2651

**Tritanomaly**

57.4385, 0.2315, 0.2955

# Monochromacy



**Original Color**

57.1317, 0.2270, 0.2755

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

50.1067, 0.2720, 0.3080

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1317, 0.2270, 0.2755 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(102, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 212, 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(102, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 212, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1317, 0.2270, 0.2755 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(102, 212, 255) }
```

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

```
.border{ border-color:rgb(102, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 212,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1317, 0.2270, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 212, 255) }
```

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

```
.background{ background-color: rgb(102,  
212, 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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