

# Converting Colors

$Yxy(57.7934, 0.2307, 0.2761)$

Have a look what the booklet for  
Yxy(57.7934, 0.2307, 0.2761)  
contains.

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# Color

**Yxy(57.7517, 0.2307, 0.2760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70D4FF
RGB	112, 212, 255
RGB Percent	44%, 83%, 100%
CMY	0.5609, 0.1686, 0.0000
CMYK	0.56, 0.17, 0.00, 0.00
HSL	198°, 100%, 72%
HSV	198°, 56%, 100%
XYZ	48.2729, 57.7517, 103.2207
YIQ	187.0020, -73.4030, -7.8270

# Conversions

## Conversions Part 2

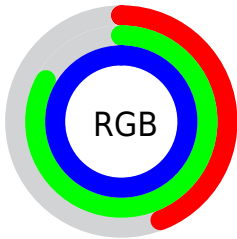
Format	Color
R <sub>Y</sub> B	112, 171, 255
Decimal	7394559
CIE Lab	80.60, -17.46, -29.92
CIE LCh	81, 34.639, 239.738
Yxy	57.7517, 0.2307, 0.2760
Android (android.graphics.Color)	4285584639 (0xFF70D4FF)
YUV	187.0020, 33.5230, -65.7768
Hunter-Lab	75.9945, -19.6045, -27.3353

# Details

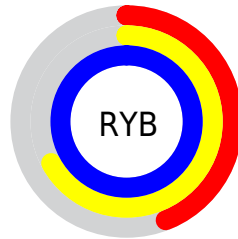
The Yxy color **57.7517, 0.2307, 0.2760** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.8567, 0.4544, 0.3729**, and the grayscale version is **49.5292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **28.6626, 0.2114, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **52.5694, 0.2195, 0.2647**, and if you desaturate by 10%, it is **63.5919, 0.2435, 0.2870**.

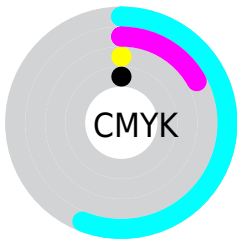
# Distribution



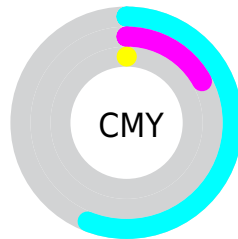
- Red (44%)
- Green (83%)
- Blue (100%)



- Red (44%)
- Yellow (67%)
- Blue (100%)



- Cyan (56%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (17%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7517, 0.2307, 0.2760 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 57.7517, 0.2307, 0.2760 by changing the saturation by 10% instead.





 57.7517, 0.2307,  
0.2760


 57.7517, 0.2307,  
0.2760


416.2601, 0.2687,  
0.3020


 41.6091, 0.2221,  
0.2698


 101.5612, 0.2438,  
0.2852

 28.7953, 0.2116,  
0.2620


 129.9968, 0.2490,  
0.2888

 18.9260, 0.1984,  
0.2520


 163.2989, 0.2534,  
0.2918

 11.6168, 0.1816,  
0.2387

201.8519, 0.2573,  
0.2944

 6.4833, 0.1595,  
0.2204

246.0401, 0.2606,  
0.2966

 3.1412, 0.1297,  
0.1939

296.2479, 0.2636,

 1.2059, 0.0882,

0.2986

0.1542

352.8598, 0.2663,  
0.3004

0.0665, 0.0000,  
0.0238

0.0000, 0.0000,  
0.0000

57.7517, 0.2307,  
0.2760

57.7517, 0.2307,  
0.2760

52.5694, 0.2195,  
0.2647

63.5919, 0.2435,  
0.2870

47.9975, 0.2102,  
0.2531

70.1250, 0.2575,  
0.2974

43.9867, 0.2030,  
0.2416

77.3874, 0.2723,  
0.3072

40.4743, 0.1977,  
0.2302

85.4116, 0.2877,  
0.3162

■ 39.2023, 0.1961,  
0.2258

■ 94.2278, 0.3033,  
0.3244

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.



57.7517, 0.2357, 0.3105



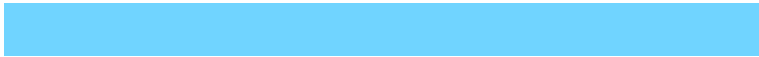
57.7517, 0.2307, 0.2760



57.7517, 0.2454, 0.2585

# Triad

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



57.7517, 0.2307, 0.2760



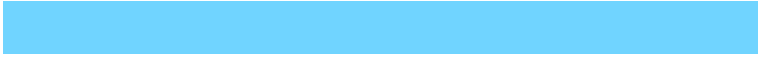
57.7517, 0.3661, 0.3030



57.7517, 0.3437, 0.4104

# Complementary

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



57.7517, 0.2307, 0.2760



45.8567, 0.4544, 0.3729

# 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.



57.7517, 0.3818, 0.4012



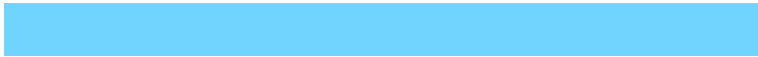
57.7517, 0.2307, 0.2760



57.7517, 0.3962, 0.3382

# Square

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



57.7517, 0.2307, 0.2760



57.7517, 0.3217, 0.2748



57.7517, 0.4017, 0.3737



57.7517, 0.2991, 0.3935



# Rectangle

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



57.7517, 0.2307, 0.2760



57.7517, 0.2652, 0.2568



57.7517, 0.4017, 0.3737



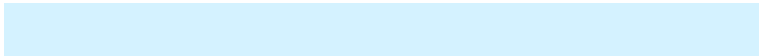
57.7517, 0.3578, 0.4100

# Sweetspot

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



57.7530, 0.2307, 0.2760



84.6517, 0.2863, 0.3154



77.3246, 0.2861, 0.4575



17.7636, 0.2832, 0.3136



0.0000, 0.0000, 0.0000

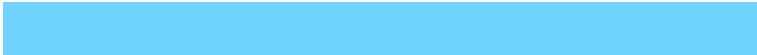


21.4041, 0.3127, 0.3290



# Same Dimension

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



57.7530, 0.2307, 0.2760



52.1303, 0.2186, 0.2636



29.5855, 0.2107, 0.1823



19.5055, 0.2980, 0.3217



20.7583, 0.1966, 0.2277



2.2129, 0.2002, 0.2406



# Inverse Universe

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



37.5939, 0.3615, 0.2307



31.9667, 0.3750, 0.2169



77.0354, 0.4086, 0.4404



18.2019, 0.3184, 0.3125



12.8235, 0.4151, 0.2060

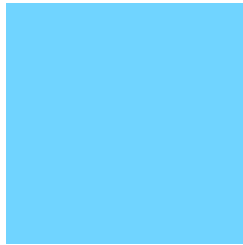


1.2679, 0.4017, 0.1987



# Previews

## White Background



This preview shows how the Yxy color 57.7517, 0.2307, 0.2760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

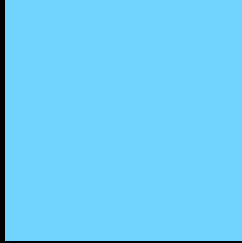
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7517, 0.2307, 0.2760 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

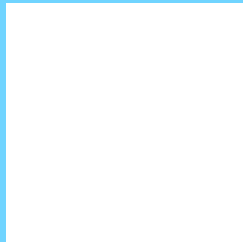
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.7517, 0.2307, 0.2760**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.7517, 0.2307, 0.2760.



This preview shows how white text looks on a background with the Yxy color 57.7517, 0.2307, 0.2760.

# 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

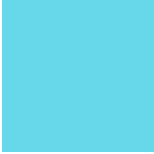
57.7517, 0.2307, 0.2760

### Protanopia

57.1555, 0.2745, 0.2750

### Deuteranopia

57.2647, 0.2672, 0.2625



## **Tritanopia**

57.8785, 0.2378, 0.3068

# Trichromacy



**Original Color**

57.7517, 0.2307, 0.2760

**Protanomaly**

56.4920, 0.2552, 0.2742

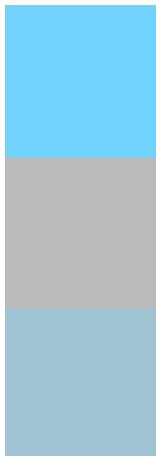
**Deuteranomaly**

56.9346, 0.2515, 0.2668

**Tritanomaly**

58.0159, 0.2352, 0.2958

# Monochromacy



**Original Color**

57.7517, 0.2307, 0.2760

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

51.7069, 0.2751, 0.3084

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7517, 0.2307, 0.2760 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(112, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 212, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7517, 0.2307, 0.2760 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(112, 212, 255) }
```

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

```
.border{ border-color:rgb(112, 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(112, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 212,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7517, 0.2307, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 212, 255) }
```

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

```
.background{ background-color: rgb(112,  
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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