

# Converting Colors

$Yxy(56.1706, 0.2358, 0.2699)$

Have a look what the booklet for  
Yxy(56.1706, 0.2358, 0.2699)  
contains.

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# Color

**Yxy(56.3577, 0.2357, 0.2705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FCFFF
RGB	127, 207, 255
RGB Percent	50%, 81%, 100%
CMY	0.5021, 0.1882, 0.0001
CMYK	0.50, 0.19, 0.00, 0.00
HSL	202°, 100%, 75%
HSV	202°, 50%, 100%
XYZ	49.1072, 56.3577, 102.8815
YIQ	188.5520, -63.0880, -2.0320

# Conversions

## Conversions Part 2

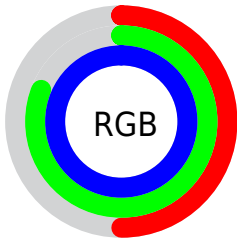
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 176, 255
Decimal	8376319
CIE <sub>Lab</sub>	79.82, -11.79, -31.05
CIE <sub>LCh</sub>	80, 33.218, 249.204
Yxy	56.3577, 0.2357, 0.2705
Android (android.graphics.Color)	4286566399 (0xFF7FCFFF)
YUV	188.5520, 32.7589, -53.9811
Hunter-Lab	75.0718, -14.6121, -28.7032

# Details

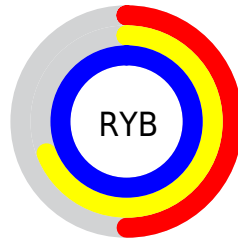
The Yxy color **56.3577, 0.2357, 0.2705** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.4183, 0.4282, 0.3789**, and the grayscale version is **50.4519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **28.0179, 0.2178, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **50.1539, 0.2225, 0.2563**, and if you desaturate by 10%, it is **63.3411, 0.2501, 0.2840**.

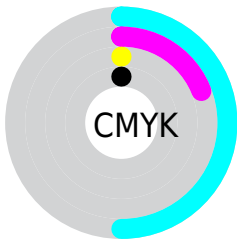
# Distribution



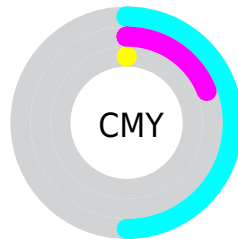
- Red (50%)
- Green (81%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3577, 0.2357, 0.2705 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 56.3577, 0.2357, 0.2705 by changing the saturation by 10% instead.





 56.3577, 0.2357,  
0.2705


 56.3577, 0.2357,  
0.2705


411.0381, 0.2717,  
0.2988

 40.4898, 0.2275,  
0.2638


 99.5274, 0.2482,  
0.2805

 27.9206, 0.2174,  
0.2554


 127.5979, 0.2530,  
0.2844

 18.2658, 0.2048,  
0.2447


 160.5048, 0.2572,  
0.2877

 11.1410, 0.1885,  
0.2306

198.6324, 0.2609,  
0.2905

 6.1618, 0.1669,  
0.2112

242.3652, 0.2641,  
0.2930

 2.9437, 0.1375,  
0.1837

292.0875, 0.2669,

 1.1024, 0.0965,

0.2952

0.1428

348.1836, 0.2694,  
0.2971

0.0000, 0.0000,  
0.0000

56.3577, 0.2357,  
0.2705

56.3577, 0.2357,  
0.2705

50.1539, 0.2225,  
0.2563

63.3411, 0.2501,  
0.2840

44.6802, 0.2109,  
0.2417

71.1367, 0.2654,  
0.2967

39.8902, 0.2014,  
0.2270

79.7823, 0.2811,  
0.3085

35.7264, 0.1939,  
0.2125

89.3113, 0.2968,  
0.3192

32.1689, 0.1885,  
0.1987

99.7549, 0.3124,  
0.3288

99.9988, 0.3127,  
0.3290

# Harmonies

## Analogous

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



56.3577, 0.2344, 0.2992



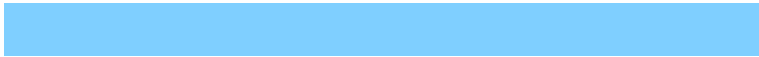
56.3577, 0.2357, 0.2705



56.3577, 0.2557, 0.2589

# Triad

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



56.3577, 0.2357, 0.2705



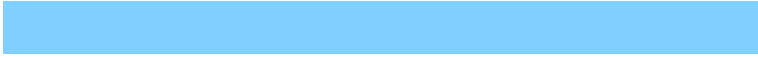
56.3577, 0.3756, 0.3142



56.3577, 0.3293, 0.4052

# Complementary

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



56.3577, 0.2357, 0.2705



53.4183, 0.4282, 0.3789

# 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.



56.3577, 0.3694, 0.4041



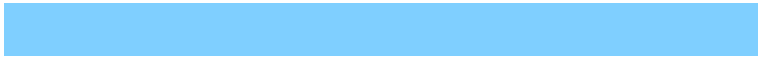
56.3577, 0.2357, 0.2705



56.3577, 0.3979, 0.3492

# Square

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



56.3577, 0.2357, 0.2705



56.3577, 0.3356, 0.2841



56.3577, 0.3952, 0.3821

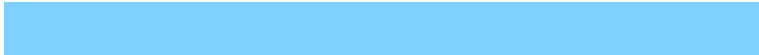


56.3577, 0.2865, 0.3811



# Rectangle

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



56.3577, 0.2357, 0.2705



56.3577, 0.2781, 0.2607



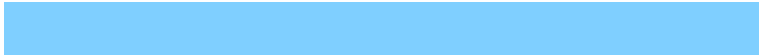
56.3577, 0.3952, 0.3821



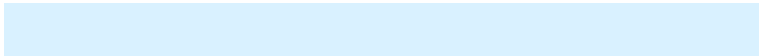
56.3577, 0.3436, 0.4076

# Sweetspot

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



56.3598, 0.2357, 0.2705



84.6480, 0.2893, 0.3142



79.0693, 0.2838, 0.4304



17.6916, 0.2860, 0.3119



0.0000, 0.0000, 0.0000

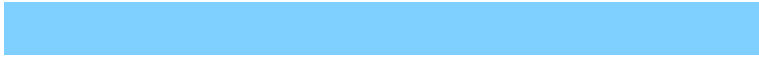


21.4041, 0.3127, 0.3290

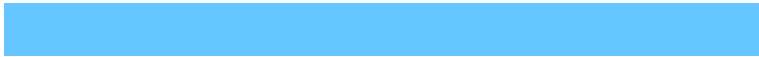


# Same Dimension

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



56.3598, 0.2357, 0.2705



50.2843, 0.2228, 0.2566



31.6819, 0.2199, 0.1895



19.2705, 0.2979, 0.3199



17.1079, 0.1892, 0.2010



1.8758, 0.1937, 0.2172



# Inverse Universe

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



40.9296, 0.3646, 0.2484



34.8250, 0.3795, 0.2354



83.8856, 0.3943, 0.4374



18.1782, 0.3196, 0.3142



12.4550, 0.4441, 0.2220

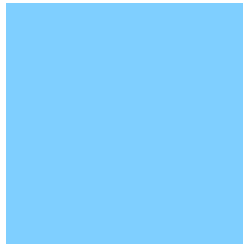


1.2339, 0.4262, 0.2122



# Previews

## White Background



This preview shows how the Yxy color 56.3577, 0.2357, 0.2705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

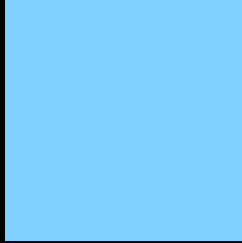
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.3577, 0.2357, 0.2705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

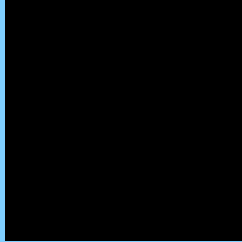
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

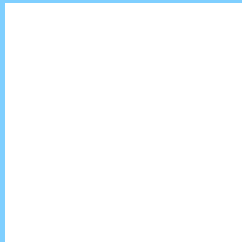
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.3577, 0.2357, 0.2705**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.3577, 0.2357, 0.2705.



This preview shows how white text looks on a background with the Yxy color 56.3577, 0.2357, 0.2705.

# 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

56.3577, 0.2357, 0.2705

### Protanopia

55.8744, 0.2704, 0.2702

### Deuteranopia

55.9939, 0.2650, 0.2598



## Tritanopia

56.5957, 0.2449, 0.3069

# Trichromacy



**Original Color**

56.3577, 0.2357, 0.2705

**Protanomaly**

55.4729, 0.2559, 0.2697

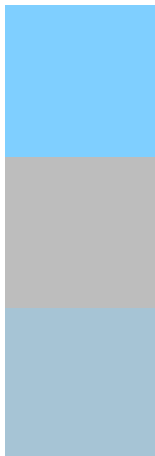
**Deuteranomaly**

55.8534, 0.2527, 0.2635

**Tritanomaly**

56.3312, 0.2415, 0.2934

# Monochromacy



**Original Color**

56.3577, 0.2357, 0.2705

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

52.3909, 0.2786, 0.3074

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.3577, 0.2357, 0.2705 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(127, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 207, 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(127, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 207, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3577, 0.2357, 0.2705 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(127, 207, 255) }
```

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

```
.border{ border-color:rgb(127, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 207,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3577, 0.2357, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 207, 255) }
```

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

```
.background{ background-color: rgb(127,  
207, 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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