

Converting Colors

$Yxy(68.4099, 0.1949, 0.1679)$

Have a look what the booklet for
Yxy(68.4099, 0.1949, 0.1679)
contains.

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Color

Yxy(56.6709, 0.2375, 0.2707)

Conversions

Conversions Part 1

Format	Color
Hex	83CFFF
RGB	131, 207, 255
RGB Percent	51%, 81%, 100%
CMY	0.4865, 0.1882, 0.0000
CMYK	0.49, 0.19, 0.00, 0.00
HSL	203°, 100%, 76%
HSV	203°, 49%, 100%
XYZ	49.7205, 56.6709, 102.9581
YIQ	189.7480, -60.7040, -1.1840

Conversions

Conversions Part 2

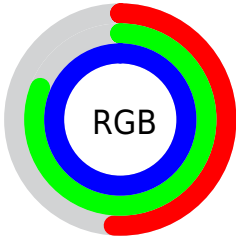
Format	Color
R_{YB}	131, 178, 255
Decimal	8638463
CIE _{Lab}	79.99, -10.89, -30.80
CIE _{LCh}	80, 32.667, 250.520
Yxy	56.6709, 0.2375, 0.2707
Android (android.graphics.Color)	4286828543 (0xFF83CFFF)
YUV	189.7480, 32.1692, -51.5220
Hunter-Lab	75.2801, -13.8456, -28.3929

Details

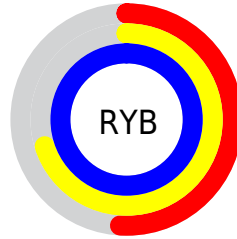
The Yxy color **56.6709, 0.2375, 0.2707** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.1107, 0.4226, 0.3790**, and the grayscale version is **51.1699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **28.1993, 0.2199, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **50.2480, 0.2239, 0.2562**, and if you desaturate by 10%, it is **63.8925, 0.2523, 0.2846**.

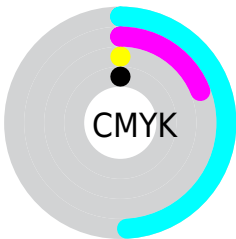
Distribution



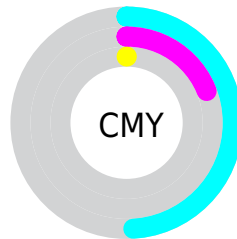
- Red (51%)
- Green (81%)
- Blue (100%)



- Red (51%)
- Yellow (70%)
- Blue (100%)



- Cyan (49%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6709, 0.2375, 0.2707 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 56.6709, 0.2375, 0.2707 by changing the saturation by 10% instead.


 56.6709, 0.2375,
0.2707


 56.6709, 0.2375,
0.2707


412.2150, 0.2726,
0.2989


 40.7411, 0.2295,
0.2641


 99.9848, 0.2497,
0.2807

 28.1168, 0.2196,
0.2558


 128.1377, 0.2544,
0.2845

 18.4137, 0.2072,
0.2451


 161.1338, 0.2585,
0.2878

 11.2474, 0.1913,
0.2312

199.3573, 0.2621,
0.2906

 6.2335, 0.1701,
0.2120

243.1929, 0.2652,
0.2931

 2.9876, 0.1412,
0.1848

293.0247, 0.2680,

 1.1253, 0.1008,

0.2952

0.1444

349.2373, 0.2704,
0.2972

0.0000, 0.0000,
0.0000

56.6709, 0.2375,
0.2707

56.6709, 0.2375,
0.2707

50.2480, 0.2239,
0.2562

63.8925, 0.2523,
0.2846

44.5823, 0.2119,
0.2411

71.9529, 0.2677,
0.2976

39.6249, 0.2018,
0.2259

80.8875, 0.2835,
0.3096

35.3198, 0.1939,
0.2109

90.7299, 0.2993,
0.3205

31.5888, 0.1880,
0.1962

100.0000, 0.3127,
0.3290

■ 31.1159, 0.1873,
0.1943

Harmonies

Analogous

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



56.6709, 0.2354, 0.2982



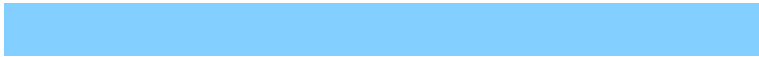
56.6709, 0.2375, 0.2707



56.6709, 0.2580, 0.2600

Triad

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



56.6709, 0.2375, 0.2707



56.6709, 0.3758, 0.3160



56.6709, 0.3272, 0.4032

Complementary

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



56.6709, 0.2375, 0.2707



55.1107, 0.4226, 0.3790

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.



56.6709, 0.3669, 0.4032



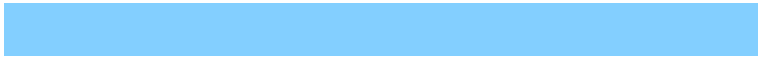
56.6709, 0.2375, 0.2707



56.6709, 0.3967, 0.3505

Square

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



56.6709, 0.2375, 0.2707



56.6709, 0.3371, 0.2859



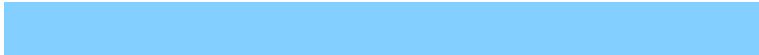
56.6709, 0.3930, 0.3825



56.6709, 0.2853, 0.3786

Rectangle

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



56.6709, 0.2375, 0.2707



56.6709, 0.2804, 0.2622



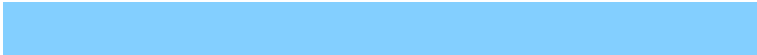
56.6709, 0.3930, 0.3825



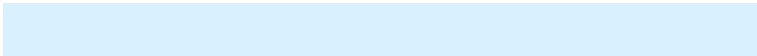
56.6709, 0.3413, 0.4060

Sweetspot

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



56.6705, 0.2375, 0.2707



84.3733, 0.2893, 0.3137



79.5751, 0.2834, 0.4239



17.6253, 0.2860, 0.3113



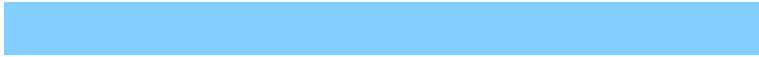
0.0000, 0.0000, 0.0000



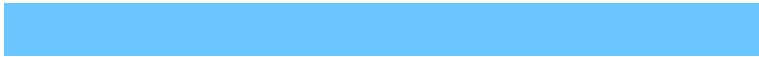
21.4041, 0.3127, 0.3290

Same Dimension

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



56.6705, 0.2375, 0.2707



50.6421, 0.2248, 0.2571



32.4187, 0.2226, 0.1919



19.2322, 0.2979, 0.3196



16.5571, 0.1880, 0.1967



1.8242, 0.1926, 0.2134

Inverse Universe

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



41.9825, 0.3639, 0.2521



35.8636, 0.3784, 0.2395



85.5278, 0.3909, 0.4362



18.1743, 0.3198, 0.3145



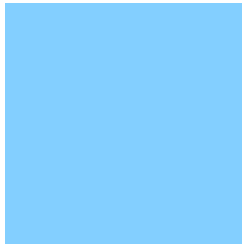
12.3994, 0.4490, 0.2247



1.2287, 0.4304, 0.2145

Previews

White Background



This preview shows how the Yxy color 56.6709, 0.2375, 0.2707 looks on a white background.

Color Contrast Check

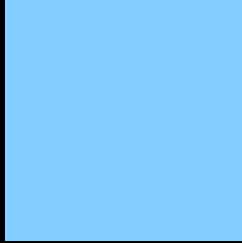
Large Text (above 18pt) WCAG AA × Fail

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 56.6709, 0.2375, 0.2707 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

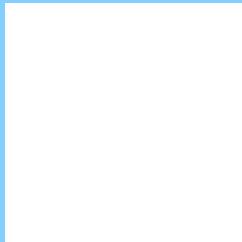
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6709, 0.2375, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 56.6709, 0.2375, 0.2707.



This preview shows how white text looks on a background with the Yxy color 56.6709, 0.2375, 0.2707.

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

56.6709, 0.2375, 0.2707

Protanopia

56.0599, 0.2704, 0.2692

Deuteranopia

56.1179, 0.2656, 0.2599



Tritanopia

56.9551, 0.2472, 0.3070

Trichromacy



Original Color

56.6709, 0.2375, 0.2707

Protanomaly

55.7483, 0.2566, 0.2689

Deuteranomaly

56.0662, 0.2539, 0.2637

Tritanomaly

56.7019, 0.2438, 0.2936

Monochromacy



Original Color

56.6709, 0.2375, 0.2707

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.7699, 0.2800, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6709, 0.2375, 0.2707 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(131, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.6709, 0.2375, 0.2707 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(131, 207, 255) }
```

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

```
.border{ border-color:rgb(131, 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(131, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6709, 0.2375, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 207, 255) }
```

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

```
.background{ background-color: rgb(131,  
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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