

Converting Colors

$Y_{xy}(54.7599, 0.2273, 0.2687)$

Have a look what the booklet for
Yxy(54.7599, 0.2273, 0.2687)
contains.

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Color

Yxy(54.9714, 0.2274, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	6BCFFF
RGB	107, 207, 255
RGB Percent	42%, 81%, 100%
CMY	0.5801, 0.1883, 0.0000
CMYK	0.58, 0.19, 0.00, 0.00
HSL	199°, 100%, 71%
HSV	199°, 58%, 100%
XYZ	46.4357, 54.9714, 102.7957
YIQ	182.5720, -75.0080, -6.2720

Conversions

Conversions Part 2

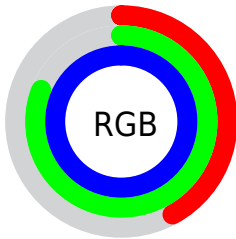
Format	Color
RYB	107, 167, 255
Decimal	7065599
CIELab	79.02, -15.79, -32.37
CIElCh	79, 36.012, 243.993
Yxy	54.9714, 0.2274, 0.2692
Android (android.graphics.Color)	4285255679 (0xFF6BCFFF)
YUV	182.5720, 35.7070, -66.2766
Hunter-Lab	74.1427, -17.9548, -30.3032

Details

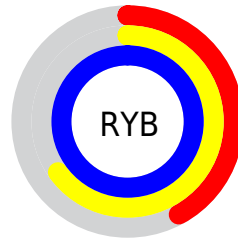
The Yxy color **54.9714, 0.2274, 0.2692** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.7927, 0.4588, 0.3776**, and the grayscale version is **46.9481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **27.1668, 0.2076, 0.2543** is the 20% darker color. If you saturate the color by 10%, you get **49.7105, 0.2162, 0.2568**, and if you desaturate by 10%, it is **60.9085, 0.2402, 0.2813**.

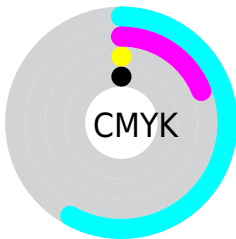
Distribution



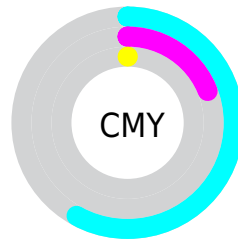
- Red (42%)
- Green (81%)
- Blue (100%)



- Red (42%)
- Yellow (65%)
- Blue (100%)



- Cyan (58%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9714, 0.2274, 0.2692 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 54.9714, 0.2274, 0.2692 by changing the saturation by 10% instead.

■ 54.9714, 0.2274,
0.2692

■ 54.9714, 0.2274,
0.2692

405.8035, 0.2672,
0.2985

■ 39.3788, 0.2184,
0.2622

■ 97.4991, 0.2412,
0.2796

■ 27.0546, 0.2073,
0.2534

■ 125.2029, 0.2466,
0.2836

■ 17.6142, 0.1934,
0.2422

■ 157.7127, 0.2512,
0.2870

■ 10.6734, 0.1757,
0.2273

195.4127, 0.2552,
0.2899

■ 5.8476, 0.1524,
0.2069

238.6874, 0.2588,
0.2925

■ 2.7527, 0.1212,
0.1777

287.9212, 0.2619,

■ 1.0040, 0.0759,

0.2947

0.1352

343.4984, 0.2647,
0.2967

■ 0.0000, 0.0000,
0.0000

■ 54.9714, 0.2274,
0.2692

■ 54.9714, 0.2274,
0.2692

■ 49.7105, 0.2162,
0.2568

■ 60.9085, 0.2402,
0.2813

■ 45.0802, 0.2069,
0.2442

■ 67.5621, 0.2543,
0.2927

■ 41.0275, 0.1997,
0.2317

■ 74.9686, 0.2692,
0.3034

■ 37.4813, 0.1945,
0.2194

■ 83.1614, 0.2847,
0.3134

■ 36.8170, 0.1936,
0.2170

■ 92.1720, 0.3003,
0.3224

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.



54.9714, 0.2296, 0.3031



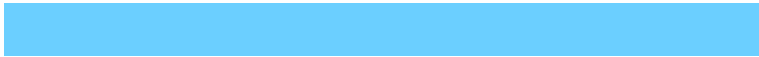
54.9714, 0.2274, 0.2692



54.9714, 0.2456, 0.2537

Triad

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



54.9714, 0.2274, 0.2692



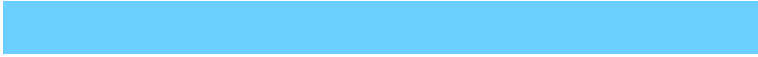
54.9714, 0.3749, 0.3065



54.9714, 0.3387, 0.4145

Complementary

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



54.9714, 0.2274, 0.2692



45.7927, 0.4588, 0.3776

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.



54.9714, 0.3807, 0.4080



54.9714, 0.2274, 0.2692



54.9714, 0.4036, 0.3438

Square

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



54.9714, 0.2274, 0.2692



54.9714, 0.3290, 0.2756



54.9714, 0.4052, 0.3806



54.9714, 0.2916, 0.3928

Rectangle

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



54.9714, 0.2274, 0.2692



54.9714, 0.2679, 0.2537



54.9714, 0.4052, 0.3806



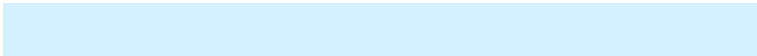
54.9714, 0.3539, 0.4153

Sweetspot

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



54.9714, 0.2274, 0.2692



84.0349, 0.2863, 0.3143



76.9805, 0.2845, 0.4595



17.6172, 0.2831, 0.3124



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.



54.9714, 0.2274, 0.2692



48.7409, 0.2142, 0.2543



27.4535, 0.2064, 0.1734



19.4292, 0.2980, 0.3211



19.5209, 0.1942, 0.2190



2.0995, 0.1981, 0.2331

Inverse Universe

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



36.2949, 0.3678, 0.2311



30.5324, 0.3842, 0.2175



77.7437, 0.4103, 0.4455



18.1942, 0.3188, 0.3131



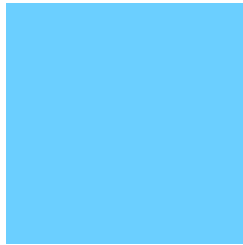
12.6986, 0.4243, 0.2111



1.2565, 0.4094, 0.2029

Previews

White Background



This preview shows how the Yxy color 54.9714, 0.2274, 0.2692 looks on a white background.

Color Contrast Check

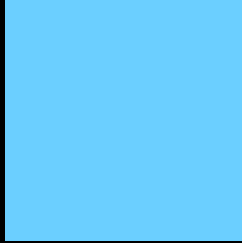
Large Text (above 18pt) WCAG AA × Fail

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 54.9714, 0.2274, 0.2692 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

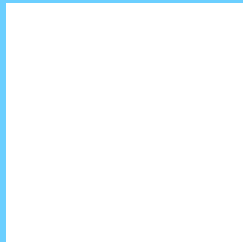
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9714, 0.2274, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 54.9714, 0.2274, 0.2692.



This preview shows how white text looks on a background with the Yxy color 54.9714, 0.2274, 0.2692.

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

54.9714, 0.2274, 0.2692

Protanopia

54.1760, 0.2699, 0.2684

Deuteranopia

54.5030, 0.2615, 0.2569



Tritanopia

55.2309, 0.2358, 0.3063

Trichromacy



Original Color

54.9714, 0.2274, 0.2692

Protanomaly

53.6784, 0.2514, 0.2676

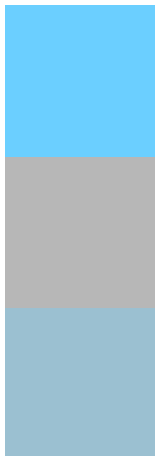
Deuteranomaly

53.9248, 0.2466, 0.2600

Tritanomaly

54.9756, 0.2327, 0.2926

Monochromacy



Original Color

54.9714, 0.2274, 0.2692

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

49.2713, 0.2731, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9714, 0.2274, 0.2692 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(107, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.9714, 0.2274, 0.2692 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(107, 207, 255) }
```

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

```
.border{ border-color:rgb(107, 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(107, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9714, 0.2274, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 207, 255) }
```

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

```
.background{ background-color: rgb(107,  
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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