

Converting Colors

$Yxy(53.4402, 0.2177, 0.2285)$

Have a look what the booklet for
Yxy(53.4402, 0.2177, 0.2285)
contains.

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Color

Yxy(51.4597, 0.2294, 0.2582)

Conversions

Conversions Part 1

Format	Color
Hex	76C6FF
RGB	118, 198, 255
RGB Percent	46%, 78%, 100%
CMY	0.5370, 0.2235, 0.0000
CMYK	0.54, 0.22, 0.00, 0.00
HSL	205°, 100%, 73%
HSV	205°, 54%, 100%
XYZ	45.7198, 51.4597, 102.1222
YIQ	180.5780, -65.9770, 0.7670

Conversions

Conversions Part 2

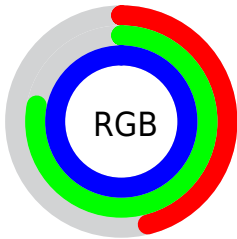
Format	Color
R _Y B	118, 169, 255
Decimal	7784191
CIE Lab	76.96, -8.91, -35.50
CIE LCh	77, 36.603, 255.911
Yxy	51.4597, 0.2294, 0.2582
Android (android.graphics.Color)	4285974271 (0xFF76C6FF)
YUV	180.5780, 36.6900, -54.8809
Hunter-Lab	71.7354, -11.7719, -34.1902

Details

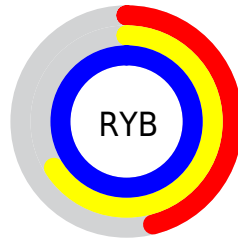
The Yxy color **51.4597, 0.2294, 0.2582** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.2511, 0.4356, 0.3876**, and the grayscale version is **45.8025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **24.7806, 0.2091, 0.2395** is the 20% darker color. If you saturate the color by 10%, you get **45.2267, 0.2161, 0.2421**, and if you desaturate by 10%, it is **58.5190, 0.2440, 0.2737**.

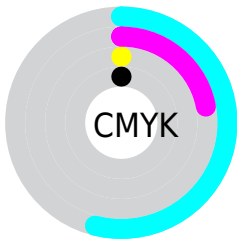
Distribution



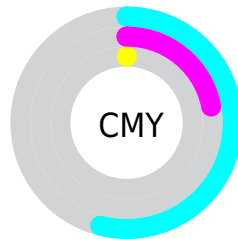
- Red (46%)
- Green (78%)
- Blue (100%)



- Red (46%)
- Yellow (66%)
- Blue (100%)



- Cyan (54%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4597, 0.2294, 0.2582 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 51.4597, 0.2294, 0.2582 by changing the saturation by 10% instead.

■ 51.4597, 0.2294,
0.2582

■ 51.4597, 0.2294,
0.2582

■ 392.3472, 0.2688,
0.2926

■ 36.5746, 0.2204,
0.2501

■ 92.3339, 0.2431,
0.2704

■ 24.8783, 0.2092,
0.2400

■ 119.0918, 0.2484,
0.2750

■ 15.9864, 0.1952,
0.2270

■ 150.5761, 0.2530,
0.2790

■ 9.5145, 0.1772,
0.2101

■ 187.1712, 0.2570,
0.2825

■ 5.0783, 0.1534,
0.1871

■ 229.2614, 0.2605,
0.2855

■ 2.2933, 0.1213,
0.1550

■ 277.2313, 0.2636,

■ 0.7701, 0.0730,

0.2881

0.1093

331.4650, 0.2663,
0.2905

0.0000, 0.0000,
0.0000

51.4597, 0.2294,
0.2582

51.4597, 0.2294,
0.2582

45.2267, 0.2161,
0.2421

58.5190, 0.2440,
0.2737

39.7676, 0.2046,
0.2257

66.4410, 0.2595,
0.2882

35.0309, 0.1951,
0.2094

75.2664, 0.2754,
0.3017

30.9529, 0.1879,
0.1934

85.0308, 0.2913,
0.3140

28.6673, 0.1844,
0.1837

95.7679, 0.3070,
0.3252

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



51.4597, 0.2231, 0.2859



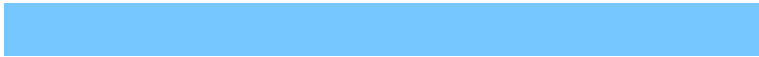
51.4597, 0.2294, 0.2582



51.4597, 0.2560, 0.2501

Triad

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



51.4597, 0.2294, 0.2582



51.4597, 0.3921, 0.3205



51.4597, 0.3200, 0.4127

Complementary

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



51.4597, 0.2294, 0.2582



53.2511, 0.4356, 0.3876

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.



51.4597, 0.3673, 0.4170



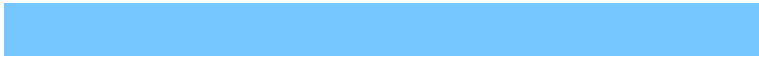
51.4597, 0.2294, 0.2582



51.4597, 0.4114, 0.3598

Square

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



51.4597, 0.2294, 0.2582



51.4597, 0.3496, 0.2852



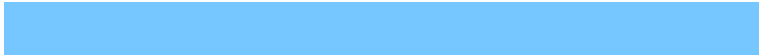
51.4597, 0.4015, 0.3954



51.4597, 0.2729, 0.3793

Rectangle

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



51.4597, 0.2294, 0.2582



51.4597, 0.2833, 0.2549



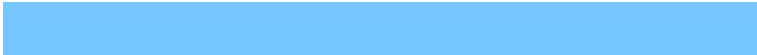
51.4597, 0.4015, 0.3954



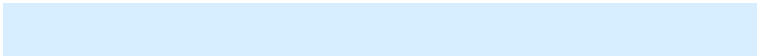
51.4597, 0.3364, 0.4175

Sweetspot

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



51.4616, 0.2294, 0.2582



82.7053, 0.2876, 0.3113



78.3811, 0.2804, 0.4329



17.2651, 0.2844, 0.3088



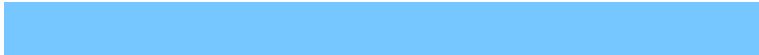
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.4616, 0.2294, 0.2582



45.0546, 0.2157, 0.2416



27.5122, 0.2117, 0.1726



19.1398, 0.2979, 0.3189



15.2822, 0.1851, 0.1862



1.7038, 0.1900, 0.2041

Inverse Universe

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



38.3073, 0.3761, 0.2488



32.4705, 0.3944, 0.2371



85.6552, 0.3974, 0.4475



18.1650, 0.3202, 0.3152



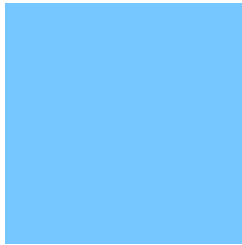
12.2707, 0.4611, 0.2314



1.2165, 0.4407, 0.2201

Previews

White Background



This preview shows how the Yxy color 51.4597, 0.2294, 0.2582 looks on a white background.

Color Contrast Check

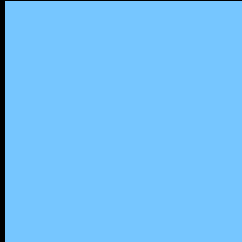
Large Text (above 18pt) WCAG AA × Fail

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 51.4597, 0.2294, 0.2582 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

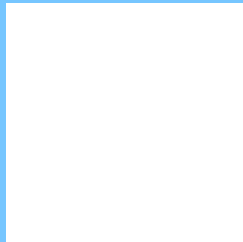
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4597, 0.2294, 0.2582

Background



This preview shows how black text looks on a background with the Yxy color 51.4597, 0.2294, 0.2582.



This preview shows how white text looks on a background with the Yxy color 51.4597, 0.2294, 0.2582.

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

51.4597, 0.2294, 0.2582

Protanopia

51.1403, 0.2615, 0.2582

Deuteranopia

51.1957, 0.2544, 0.2496



Tritanopia

51.4704, 0.2412, 0.3059

Trichromacy



Original Color

51.4597, 0.2294, 0.2582

Protanomaly

50.9360, 0.2480, 0.2577

Deuteranomaly

50.9656, 0.2438, 0.2522

Tritanomaly

51.4392, 0.2368, 0.2882

Monochromacy



Original Color

51.4597, 0.2294, 0.2582

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.3638, 0.2752, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4597, 0.2294, 0.2582 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(118, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 198, 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(118, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.4597, 0.2294, 0.2582 is called "border". The border property can be set on classes, ids or directly on the HTML element.

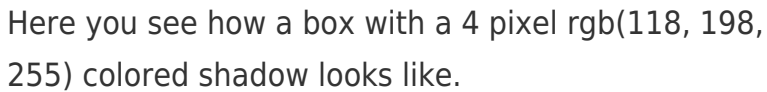
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 198, 255) }
```

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

```
.border{ border-color:rgb(118, 198, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 198, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 198, 255); box-shadow:4px 4px 4px 4px rgb(118, 198, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4597, 0.2294, 0.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 198, 255) }
```

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

```
.background{ background-color: rgb(118,  
198, 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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