

Converting Colors

$Y_{xy}(52.5665, 0.2279, 0.2558)$

Have a look what the booklet for
Yxy(52.5665, 0.2279, 0.2558)
contains.

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Color

Yxy(52.3801, 0.2299, 0.2608)

Conversions

Conversions Part 1

Format	Color
Hex	76C8FF
RGB	118, 200, 255
RGB Percent	46%, 78%, 100%
CMY	0.5373, 0.2157, 0.0000
CMYK	0.54, 0.22, 0.00, 0.00
HSL	204°, 100%, 73%
HSV	204°, 54%, 100%
XYZ	46.1740, 52.3801, 102.2898
YIQ	181.7520, -66.5270, -0.2790

Conversions

Conversions Part 2

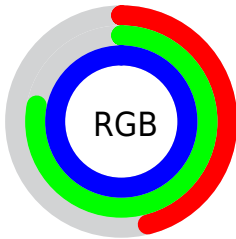
Format	Color
R _Y B	118, 169, 255
Decimal	7784703
CIE Lab	77.51, -9.99, -34.66
CIE LCh	78, 36.070, 253.918
Yxy	52.3801, 0.2299, 0.2608
Android (android.graphics.Color)	4285974783 (0xFF76C8FF)
YUV	181.7520, 36.1113, -55.9105
Hunter-Lab	72.3741, -12.7733, -33.1356

Details

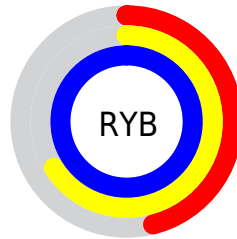
The Yxy color **52.3801, 0.2299, 0.2608** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.4465, 0.4371, 0.3856**, and the grayscale version is **46.4631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **25.3919, 0.2099, 0.2430** is the 20% darker color. If you saturate the color by 10%, you get **46.2479, 0.2168, 0.2453**, and if you desaturate by 10%, it is **59.3150, 0.2443, 0.2757**.

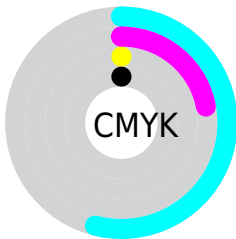
Distribution



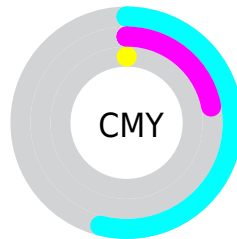
- Red (46%)
- Green (78%)
- Blue (100%)



- 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 52.3801, 0.2299, 0.2608 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 52.3801, 0.2299, 0.2608 by changing the saturation by 10% instead.


 52.3801, 0.2299,
0.2608


 52.3801, 0.2299,
0.2608


395.9023, 0.2689,
0.2939

 37.3081, 0.2210,
0.2530

 93.6916, 0.2435,
0.2725

 25.4462, 0.2100,
0.2432


 120.6999, 0.2488,
0.2770

 16.4098, 0.1961,
0.2307


 152.4557, 0.2533,
0.2809

 9.8146, 0.1783,
0.2143

189.3435, 0.2572,
0.2842

 5.2762, 0.1548,
0.1920

231.7477, 0.2607,
0.2871

 2.4102, 0.1231,
0.1606

280.0526, 0.2638,

 0.8311, 0.0762,

0.2897

0.1160

334.6427, 0.2665,
0.2919

0.0000, 0.0000,
0.0000

52.3801, 0.2299,
0.2608

52.3801, 0.2299,
0.2608

46.2479, 0.2168,
0.2453

59.3150, 0.2443,
0.2757

40.8680, 0.2055,
0.2296

67.0896, 0.2596,
0.2897

36.1893, 0.1963,
0.2138

75.7434, 0.2754,
0.3027

32.1488, 0.1893,
0.1984

85.3115, 0.2913,
0.3145

29.8880, 0.1859,
0.1890

95.8268, 0.3070,
0.3253

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.



52.3801, 0.2251, 0.2893



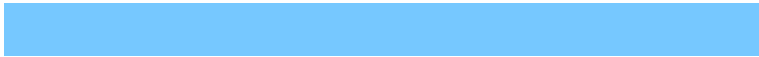
52.3801, 0.2299, 0.2608



52.3801, 0.2548, 0.2515

Triad

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



52.3801, 0.2299, 0.2608



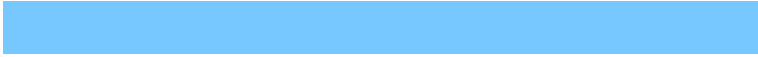
52.3801, 0.3883, 0.3182



52.3801, 0.3231, 0.4120

Complementary

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



52.3801, 0.2299, 0.2608



52.4465, 0.4371, 0.3856

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.



52.3801, 0.3690, 0.4145



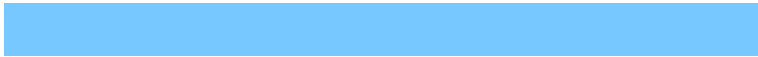
52.3801, 0.2299, 0.2608



52.3801, 0.4090, 0.3568

Square

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



52.3801, 0.2299, 0.2608



52.3801, 0.3457, 0.2840



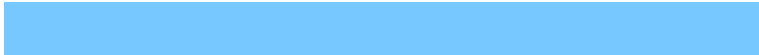
52.3801, 0.4012, 0.3922



52.3801, 0.2765, 0.3810

Rectangle

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



52.3801, 0.2299, 0.2608



52.3801, 0.2810, 0.2554



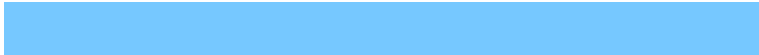
52.3801, 0.4012, 0.3922



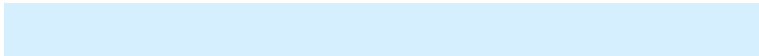
52.3801, 0.3392, 0.4161

Sweetspot

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



52.3815, 0.2299, 0.2608



83.0593, 0.2877, 0.3119



78.3794, 0.2804, 0.4330



17.3496, 0.2844, 0.3095



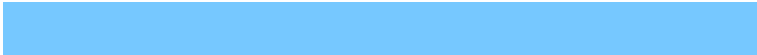
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



52.3815, 0.2299, 0.2608



46.0940, 0.2165, 0.2449



27.4878, 0.2117, 0.1725



19.1865, 0.2979, 0.3192



15.9175, 0.1865, 0.1915



1.7640, 0.1913, 0.2088

Inverse Universe

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



38.3835, 0.3739, 0.2468



32.5754, 0.3914, 0.2348



85.6550, 0.3974, 0.4476



18.1697, 0.3200, 0.3149



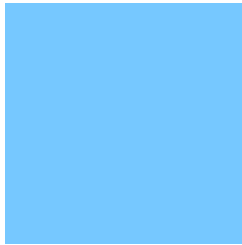
12.3348, 0.4550, 0.2280



1.2226, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 52.3801, 0.2299, 0.2608 looks on a white background.

Color Contrast Check

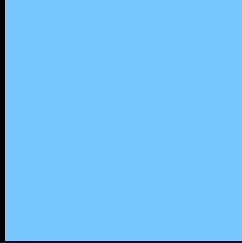
Large Text (above 18pt) WCAG AA × Fail

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 52.3801, 0.2299, 0.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

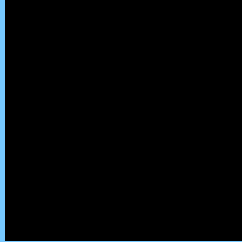
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

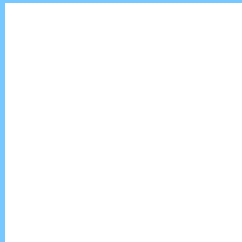
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3801, 0.2299, 0.2608

Background



This preview shows how black text looks on a background with the Yxy color 52.3801, 0.2299, 0.2608.



This preview shows how white text looks on a background with the Yxy color 52.3801, 0.2299, 0.2608.

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

52.3801, 0.2299, 0.2608

Protanopia

51.7342, 0.2635, 0.2607

Deuteranopia

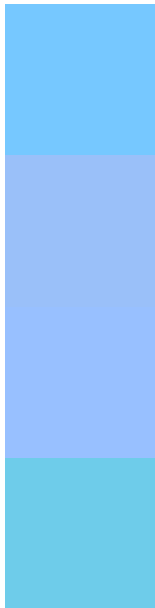
51.9571, 0.2565, 0.2512



Tritanopia

52.4807, 0.2413, 0.3074

Trichromacy



Original Color

52.3801, 0.2299, 0.2608

Protanomaly

51.4089, 0.2493, 0.2601

Deuteranomaly

51.5947, 0.2451, 0.2537

Tritanomaly

52.4412, 0.2368, 0.2897

Monochromacy



Original Color

52.3801, 0.2299, 0.2608

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.3696, 0.2755, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3801, 0.2299, 0.2608 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, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 200, 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, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.3801, 0.2299, 0.2608 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, 200, 255) }
```

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

```
.border{ border-color:rgb(118, 200, 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, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3801, 0.2299, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 200, 255) }
```

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

```
.background{ background-color: rgb(118,  
200, 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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