

Converting Colors

$Y_{xy}(52.1555, 0.2232, 0.2508)$

Have a look what the booklet for
Yxy(52.1555, 0.2232, 0.2508)
contains.

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Color

Yxy(51.3818, 0.2263, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	6EC7FF
RGB	110, 199, 255
RGB Percent	43%, 78%, 100%
CMY	0.5683, 0.2196, 0.0000
CMYK	0.57, 0.22, 0.00, 0.00
HSL	203°, 100%, 72%
HSV	203°, 57%, 100%
XYZ	44.9119, 51.3818, 102.1682
YIQ	178.7730, -71.0200, -1.4520

Conversions

Conversions Part 2

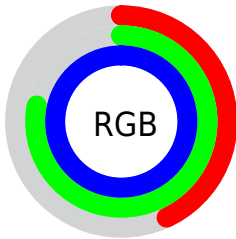
Format	Color
R _Y B	110, 165, 255
Decimal	7260159
CIE Lab	76.91, -11.03, -35.61
CIE LCh	77, 37.281, 252.792
Yxy	51.3818, 0.2263, 0.2589
Android (android.graphics.Color)	4285450239 (0xFF6EC7FF)
YUV	178.7730, 37.5799, -60.3139
Hunter-Lab	71.6811, -13.6024, -34.3302

Details

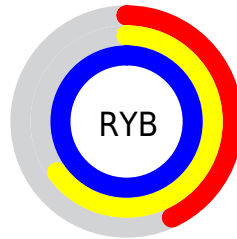
The Yxy color **51.3818, 0.2263, 0.2589** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.6919, 0.4483, 0.3860**, and the grayscale version is **44.7868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **24.7593, 0.2054, 0.2404** is the 20% darker color. If you saturate the color by 10%, you get **45.5853, 0.2140, 0.2439**, and if you desaturate by 10%, it is **57.9446, 0.2401, 0.2734**.

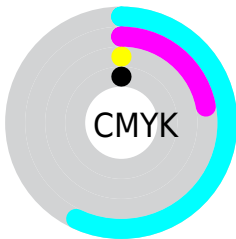
Distribution



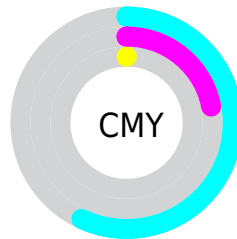
- Red (43%)
- Green (78%)
- Blue (100%)



- Red (43%)
- Yellow (65%)
- Blue (100%)



- Cyan (57%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3818, 0.2263, 0.2589 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 51.3818, 0.2263, 0.2589 by changing the saturation by 10% instead.


 51.3818, 0.2263,
0.2589


 51.3818, 0.2263,
0.2589


392.0453, 0.2670,
0.2931


 36.5126, 0.2170,
0.2508


 92.2189, 0.2405,
0.2710

 24.8303, 0.2055,
0.2407


 118.9555, 0.2460,
0.2757

 15.9507, 0.1911,
0.2277


 150.4167, 0.2507,
0.2796

 9.4893, 0.1726,
0.2107

186.9869, 0.2548,
0.2831

 5.0617, 0.1483,
0.1876

229.0505, 0.2585,
0.2860

 2.2835, 0.1158,
0.1553

276.9918, 0.2617,

 0.7649, 0.0655,

0.2887

0.1094

331.1953, 0.2645,
0.2910

■ 0.0000, 0.0000,
0.0000

■ 51.3818, 0.2263,
0.2589

■ 51.3818, 0.2263,
0.2589

■ 45.5853, 0.2140,
0.2439

■ 57.9446, 0.2401,
0.2734

■ 40.5051, 0.2035,
0.2288

■ 65.3127, 0.2550,
0.2871

■ 36.0875, 0.1952,
0.2137

■ 73.5254, 0.2706,
0.2999

■ 32.2650, 0.1890,
0.1990

■ 82.6180, 0.2864,
0.3117

■ 31.1476, 0.1874,
0.1944

■ 92.6235, 0.3021,
0.3223

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.



51.3818, 0.2222, 0.2890



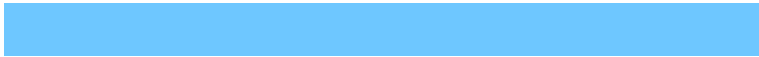
51.3818, 0.2263, 0.2589



51.3818, 0.2513, 0.2487

Triad

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



51.3818, 0.2263, 0.2589



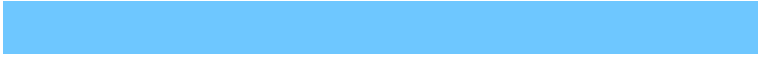
51.3818, 0.3900, 0.3162



51.3818, 0.3253, 0.4163

Complementary

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



51.3818, 0.2263, 0.2589



49.6919, 0.4483, 0.3860

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.



51.3818, 0.3727, 0.4174



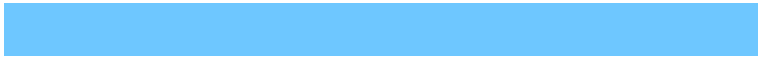
51.3818, 0.2263, 0.2589



51.3818, 0.4126, 0.3560

Square

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



51.3818, 0.2263, 0.2589



51.3818, 0.3450, 0.2811



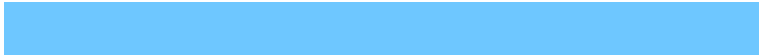
51.3818, 0.4054, 0.3932



51.3818, 0.2767, 0.3849

Rectangle

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



51.3818, 0.2263, 0.2589



51.3818, 0.2780, 0.2524



51.3818, 0.4054, 0.3932



51.3818, 0.3419, 0.4201

Sweetspot

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



51.3828, 0.2263, 0.2589



82.4576, 0.2861, 0.3115



77.5797, 0.2804, 0.4435



17.2435, 0.2829, 0.3092



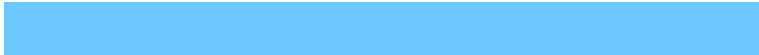
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.3828, 0.2263, 0.2589



44.9558, 0.2126, 0.2422



25.7153, 0.2061, 0.1652



19.2333, 0.2979, 0.3196



16.5736, 0.1880, 0.1968



1.8257, 0.1926, 0.2135

Inverse Universe

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



36.5520, 0.3765, 0.2409



30.8646, 0.3952, 0.2288



83.5905, 0.4031, 0.4513



18.1744, 0.3198, 0.3145



12.4011, 0.4489, 0.2247



1.2289, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 51.3818, 0.2263, 0.2589 looks on a white background.

Color Contrast Check

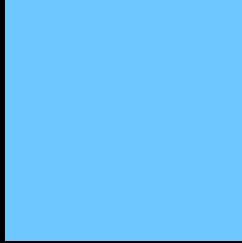
Large Text (above 18pt) WCAG AA × Fail

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 51.3818, 0.2263, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

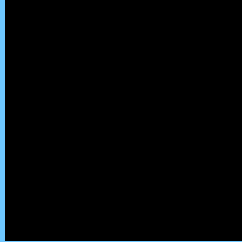
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

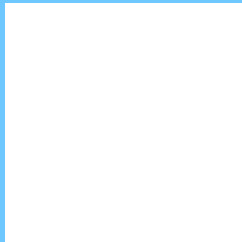
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.3818, 0.2263, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 51.3818, 0.2263, 0.2589.

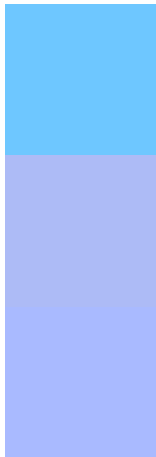


This preview shows how white text looks on a background with the Yxy color 51.3818, 0.2263, 0.2589.

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

51.3818, 0.2263, 0.2589

Protanopia

51.0787, 0.2621, 0.2592

Deuteranopia

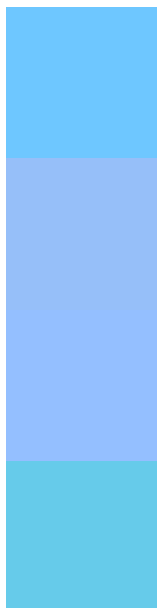
50.7728, 0.2542, 0.2484



Tritanopia

51.4780, 0.2373, 0.3058

Trichromacy



Original Color

51.3818, 0.2263, 0.2589

Protanomaly

50.5852, 0.2468, 0.2584

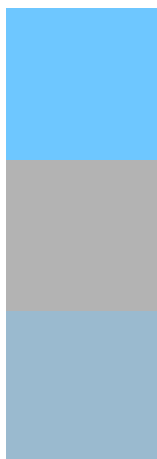
Deuteranomaly

50.7775, 0.2426, 0.2520

Tritanomaly

51.4772, 0.2332, 0.2880

Monochromacy



Original Color

51.3818, 0.2263, 0.2589

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4928, 0.2729, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3818, 0.2263, 0.2589 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(110, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 199, 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(110, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.3818, 0.2263, 0.2589 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(110, 199, 255) }
```

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

```
.border{ border-color:rgb(110, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3818, 0.2263, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 199, 255) }
```

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

```
.background{ background-color: rgb(110,  
199, 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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