

Converting Colors

$Y_{xy}(50.4659, 0.2195, 0.2582)$

Have a look what the booklet for
Yxy(50.4659, 0.2195, 0.2582)
contains.

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Color

Yxy(50.2910, 0.2193, 0.2577)

Conversions

Conversions Part 1

Format	Color
Hex	5BC7FF
RGB	91, 199, 255
RGB Percent	36%, 78%, 100%
CMY	0.6427, 0.2197, 0.0000
CMYK	0.64, 0.22, 0.00, 0.00
HSL	201°, 100%, 68%
HSV	201°, 64%, 100%
XYZ	42.7971, 50.2910, 102.0652
YIQ	173.0920, -82.3440, -5.4800

Conversions

Conversions Part 2

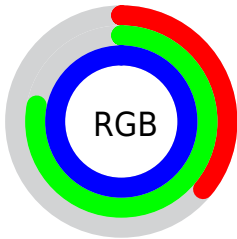
Format	Color
R _Y B	91, 156, 255
Decimal	6014975
CIE Lab	76.25, -14.39, -36.69
CIE LCh	76, 39.408, 248.588
Yxy	50.2910, 0.2193, 0.2577
Android (android.graphics.Color)	4284205055 (0xFF5BC7FF)
YUV	173.0920, 40.3806, -71.9947
Hunter-Lab	70.9161, -16.3805, -35.6911

Details

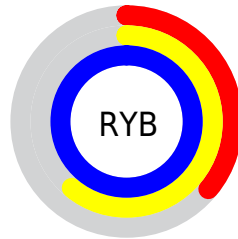
The Yxy color **50.2910, 0.2193, 0.2577** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.9269, 0.4789, 0.3836**, and the grayscale version is **41.6764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **24.3280, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **45.3107, 0.2090, 0.2444**, and if you desaturate by 10%, it is **55.9438, 0.2314, 0.2707**.

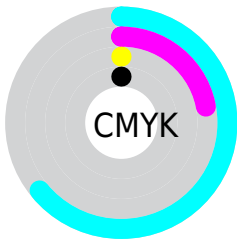
Distribution



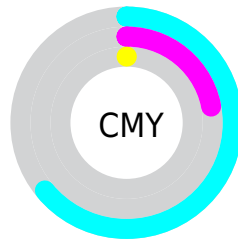
- Red (36%)
- Green (78%)
- Blue (100%)



- Red (36%)
- Yellow (61%)
- Blue (100%)



- Cyan (64%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2910, 0.2193, 0.2577 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 50.2910, 0.2193, 0.2577 by changing the saturation by 10% instead.

50.2910, 0.2193,
0.2577

50.2910, 0.2193,
0.2577

387.8028, 0.2633,
0.2928

35.6447, 0.2093,
0.2493

90.6059, 0.2346,
0.2702

24.1599, 0.1970,
0.2388

117.0432, 0.2405,
0.2750

15.4523, 0.1816,
0.2254

148.1797, 0.2456,
0.2790

9.1374, 0.1620,
0.2077

184.3997, 0.2501,
0.2825

4.8309, 0.1364,
0.1837

226.0876, 0.2540,
0.2856

2.1484, 0.1028,
0.1501

273.6279, 0.2574,

0.6916, 0.0454,

0.2883

0.1025

327.4048, 0.2605,
0.2907

■ 0.0000, 0.0000,
0.0000

■ 50.2910, 0.2193,
0.2577

■ 50.2910, 0.2193,
0.2577

■ 45.3107, 0.2090,
0.2444

■ 55.9438, 0.2314,
0.2707

■ 40.9487, 0.2008,
0.2311

■ 62.3091, 0.2450,
0.2832

■ 37.1451, 0.1946,
0.2181

■ 69.4275, 0.2596,
0.2951

■ 35.1677, 0.1919,
0.2107

■ 77.3349, 0.2749,
0.3061

■ 86.0642, 0.2905,
0.3162

95.6464, 0.3061,
0.3254

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.



50.2910, 0.2181, 0.2922



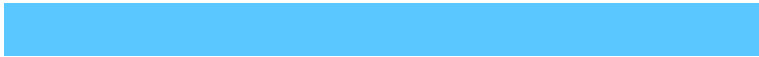
50.2910, 0.2193, 0.2577



50.2910, 0.2426, 0.2442

Triad

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



50.2910, 0.2193, 0.2577



50.2910, 0.3895, 0.3095



50.2910, 0.3332, 0.4245

Complementary

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



50.2910, 0.2193, 0.2577



42.9269, 0.4789, 0.3836

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.



50.2910, 0.3823, 0.4206



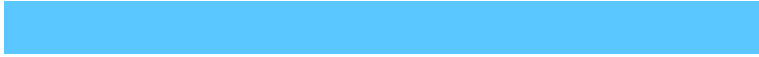
50.2910, 0.2193, 0.2577



50.2910, 0.4176, 0.3513

Square

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



50.2910, 0.2193, 0.2577



50.2910, 0.3393, 0.2739



50.2910, 0.4142, 0.3917



50.2910, 0.2810, 0.3952

Rectangle

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



50.2910, 0.2193, 0.2577



50.2910, 0.2692, 0.2465



50.2910, 0.4142, 0.3917



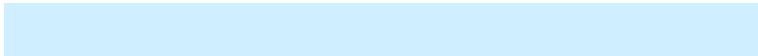
50.2910, 0.3506, 0.4268

Sweetspot

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



50.2923, 0.2193, 0.2577



81.8265, 0.2831, 0.3115



75.8180, 0.2821, 0.4726



16.9858, 0.2786, 0.3086



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.



50.2923, 0.2193, 0.2577



44.0585, 0.2065, 0.2408



22.5104, 0.1942, 0.1512



19.3745, 0.2980, 0.3207



18.6644, 0.1925, 0.2128



2.0205, 0.1966, 0.2276

Inverse Universe

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



32.8864, 0.3797, 0.2258



27.9782, 0.3988, 0.2152



77.3324, 0.4183, 0.4569



18.1887, 0.3191, 0.3135



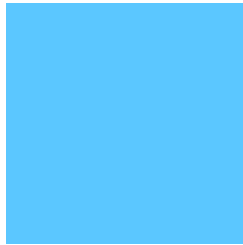
12.6121, 0.4310, 0.2148



1.2485, 0.4151, 0.2061

Previews

White Background



This preview shows how the Yxy color 50.2910, 0.2193, 0.2577 looks on a white background.

Color Contrast Check

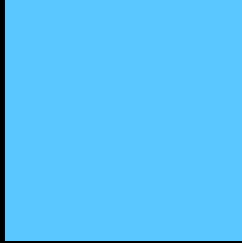
Large Text (above 18pt) WCAG AA × Fail

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 50.2910, 0.2193, 0.2577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

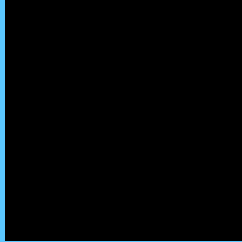
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

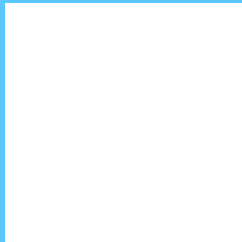
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2910, 0.2193, 0.2577

Background



This preview shows how black text looks on a background with the Yxy color 50.2910, 0.2193, 0.2577.

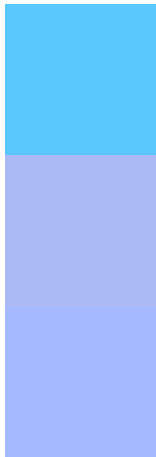


This preview shows how white text looks on a background with the Yxy color 50.2910, 0.2193, 0.2577.

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

50.2910, 0.2193, 0.2577

Protanopia

49.8875, 0.2616, 0.2586

Deuteranopia

49.9173, 0.2516, 0.2466



Tritanopia

50.3924, 0.2292, 0.3053

Trichromacy



Original Color

50.2910, 0.2193, 0.2577

Protanomaly

49.3550, 0.2426, 0.2574

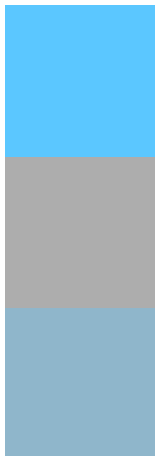
Deuteranomaly

49.4502, 0.2370, 0.2497

Tritanomaly

50.3579, 0.2253, 0.2872

Monochromacy



Original Color

50.2910, 0.2193, 0.2577

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.6073, 0.2673, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2910, 0.2193, 0.2577 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(91, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 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(91, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.2910, 0.2193, 0.2577 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(91, 199, 255) }
```

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

```
.border{ border-color:rgb(91, 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(91, 199, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2910, 0.2193, 0.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 199, 255) }
```

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

```
.background{ background-color: rgb(91, 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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