

Converting Colors

$Y_{xy}(57.3197, 0.1982, 0.2014)$

Have a look what the booklet for
Yxy(57.3197, 0.1982, 0.2014)
contains.

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Color

Yxy(51.9581, 0.2193, 0.2629)

Conversions

Conversions Part 1

Format	Color
Hex	57CBFF
RGB	87, 203, 255
RGB Percent	34%, 80%, 100%
CMY	0.6584, 0.2039, 0.0001
CMYK	0.66, 0.20, 0.00, 0.00
HSL	199°, 100%, 67%
HSV	199°, 66%, 100%
XYZ	43.3412, 51.9581, 102.3351
YIQ	174.2440, -85.8280, -8.4200

Conversions

Conversions Part 2

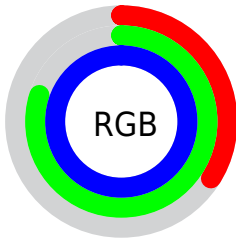
Format	Color
R _Y B	87, 156, 255
Decimal	5753855
CIE Lab	77.26, -17.12, -35.12
CIE LCh	77, 39.070, 244.020
Yxy	51.9581, 0.2193, 0.2629
Android (android.graphics.Color)	4283943935 (0xFF57CBFF)
YUV	174.2440, 39.8127, -76.5130
Hunter-Lab	72.0820, -18.8155, -33.7169

Details

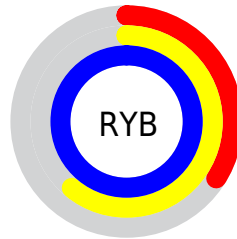
The Yxy color **51.9581, 0.2193, 0.2629** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.4416, 0.4891, 0.3789**, and the grayscale version is **42.2997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **25.5721, 0.2018, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **47.3048, 0.2098, 0.2510**, and if you desaturate by 10%, it is **57.2385, 0.2307, 0.2746**.

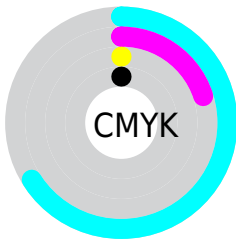
Distribution



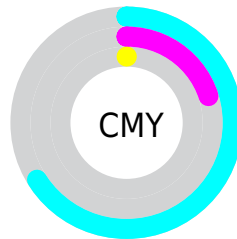
- Red (34%)
- Green (80%)
- Blue (100%)



- Red (34%)
- Yellow (61%)
- Blue (100%)



- Cyan (66%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9581, 0.2193, 0.2629 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 51.9581, 0.2193, 0.2629 by changing the saturation by 10% instead.


 51.9581, 0.2193,
0.2629


 51.9581, 0.2193,
0.2629


394.2748, 0.2630,
0.2955


 36.9717, 0.2094,
0.2551


 93.0694, 0.2345,
0.2745


 25.1856, 0.1972,
0.2453


 119.9632, 0.2404,
0.2790

 16.2154, 0.1820,
0.2326


 151.5948, 0.2454,
0.2828

 9.6767, 0.1627,
0.2160

 188.3486, 0.2499,
0.2860

 5.1851, 0.1375,
0.1932

230.6092, 0.2538,
0.2889

 2.3563, 0.1044,
0.1609

278.7608, 0.2572,

 0.8033, 0.0498,

0.2914

0.1157

333.1879, 0.2603,
0.2936

■ 0.0000, 0.0000,
0.0000

■ 51.9581, 0.2193,
0.2629

■ 51.9581, 0.2193,
0.2629

■ 47.3048, 0.2098,
0.2510

■ 57.2385, 0.2307,
0.2746

■ 43.2222, 0.2024,
0.2390

■ 63.1841, 0.2436,
0.2860

■ 39.6499, 0.1970,
0.2273

■ 69.8357, 0.2577,
0.2967

■ 38.2753, 0.1951,
0.2225

■ 77.2286, 0.2727,
0.3068

■ 85.3954, 0.2881,
0.3160

■ 94.3665, 0.3037,
0.3245

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



51.9581, 0.2215, 0.2999



51.9581, 0.2193, 0.2629



51.9581, 0.2390, 0.2464

Triad

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



51.9581, 0.2193, 0.2629



51.9581, 0.3815, 0.3041



51.9581, 0.3408, 0.4240

Complementary

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



51.9581, 0.2193, 0.2629



40.4416, 0.4891, 0.3789

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.



51.9581, 0.3872, 0.4159



51.9581, 0.2193, 0.2629



51.9581, 0.4133, 0.3446

Square

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



51.9581, 0.2193, 0.2629



51.9581, 0.3306, 0.2705



51.9581, 0.4148, 0.3851



51.9581, 0.2891, 0.4001

Rectangle

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



51.9581, 0.2193, 0.2629



51.9581, 0.2634, 0.2466



51.9581, 0.4148, 0.3851



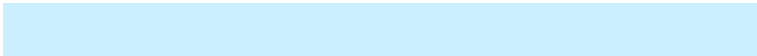
51.9581, 0.3576, 0.4246

Sweetspot

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



51.9600, 0.2193, 0.2629



81.9108, 0.2816, 0.3123



75.3595, 0.2842, 0.4841



17.0436, 0.2773, 0.3096



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.



51.9600, 0.2193, 0.2629



45.9606, 0.2072, 0.2472



22.8502, 0.1930, 0.1532



19.4764, 0.2980, 0.3215



20.2809, 0.1957, 0.2244



2.1692, 0.1994, 0.2377

Inverse Universe

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



32.4033, 0.3754, 0.2194



27.6896, 0.3930, 0.2088



73.8751, 0.4242, 0.4547



18.1990, 0.3186, 0.3127



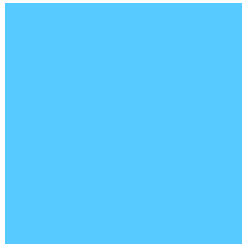
12.7753, 0.4186, 0.2079



1.2635, 0.4046, 0.2003

Previews

White Background



This preview shows how the Yxy color 51.9581, 0.2193, 0.2629 looks on a white background.

Color Contrast Check

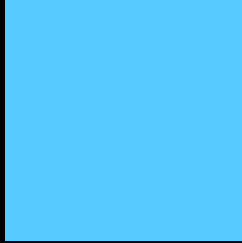
Large Text (above 18pt) WCAG AA × Fail

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 51.9581, 0.2193, 0.2629 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

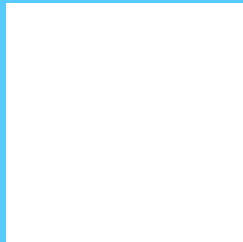
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9581, 0.2193, 0.2629

Background



This preview shows how black text looks on a background with the Yxy color 51.9581, 0.2193, 0.2629.



This preview shows how white text looks on a background with the Yxy color 51.9581, 0.2193, 0.2629.

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

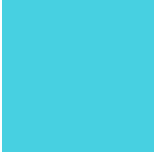
51.9581, 0.2193, 0.2629

Protanopia

51.1257, 0.2652, 0.2626

Deuteranopia

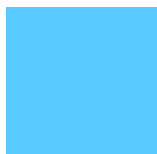
51.3067, 0.2550, 0.2497



Tritanopia

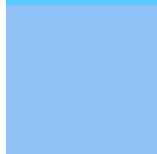
51.8876, 0.2281, 0.3055

Trichromacy



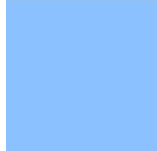
Original Color

51.9581, 0.2193, 0.2629



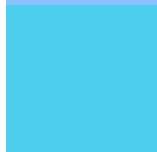
Protanomaly

50.6950, 0.2443, 0.2624



Deuteranomaly

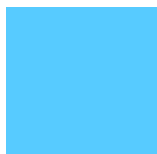
50.9354, 0.2387, 0.2537



Tritanomaly

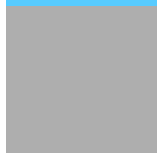
51.7765, 0.2246, 0.2888

Monochromacy



Original Color

51.9581, 0.2193, 0.2629



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.7605, 0.2670, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9581, 0.2193, 0.2629 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(87, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 203, 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(87, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.9581, 0.2193, 0.2629 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(87, 203, 255) }
```

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

```
.border{ border-color:rgb(87, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9581, 0.2193, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 203, 255) }
```

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

```
.background{ background-color: rgb(87, 203,  
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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