

Converting Colors

$Yxy(49.8872, 0.2189, 0.2588)$

Have a look what the booklet for
Yxy(49.8872, 0.2189, 0.2588)
contains.

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Color

Yxy(50.0134, 0.2190, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	58C7FD
RGB	88, 199, 253
RGB Percent	35%, 78%, 99%
CMY	0.6553, 0.2196, 0.0077
CMYK	0.65, 0.21, 0.00, 0.01
HSL	200°, 98%, 67%
HSV	200°, 65%, 99%
XYZ	42.1753, 50.0134, 100.3927
YIQ	171.9670, -83.4900, -6.7380

Conversions

Conversions Part 2

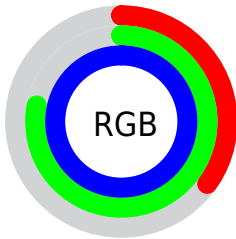
Format	Color
R _Y B	88, 154, 253
Decimal	5818365
CIE Lab	76.08, -15.52, -35.91
CIE LCh	76, 39.116, 246.626
Yxy	50.0134, 0.2190, 0.2597
Android (android.graphics.Color)	4284008445 (0xFF58C7FD)
YUV	171.9670, 39.9493, -73.6391
Hunter-Lab	70.7202, -17.3083, -34.6626

Details

The Yxy color **50.0134, 0.2190, 0.2597** 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 **40.9211, 0.4844, 0.3816**, and the grayscale version is **41.0528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **24.2363, 0.2006, 0.2420** is the 20% darker color. If you saturate the color by 10%, you get **45.2815, 0.2091, 0.2470**, and if you desaturate by 10%, it is **55.3843, 0.2307, 0.2721**.

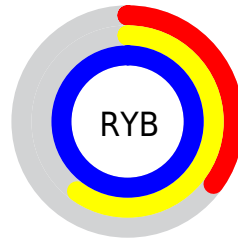
Distribution



Red (35%)

Green (78%)

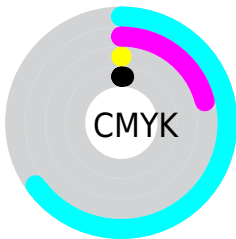
Blue (99%)



Red (35%)

Yellow (60%)

Blue (99%)

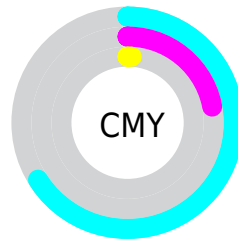


Cyan (65%)

Magenta (21%)

Yellow (0%)

Black (1%)



Cyan (66%)

Magenta (22%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0134, 0.2190, 0.2597 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 50.0134, 0.2190, 0.2597 by changing the saturation by 10% instead.

50.0134, 0.2190,
0.2597

50.0134, 0.2190,
0.2597

386.7183, 0.2631,
0.2939

35.4240, 0.2089,
0.2515

90.1947, 0.2344,
0.2719

23.9897, 0.1966,
0.2412

116.5555, 0.2403,
0.2766

15.3260, 0.1811,
0.2279

147.6089, 0.2455,
0.2806

9.0485, 0.1613,
0.2104

183.7392, 0.2499,
0.2840

4.7728, 0.1355,
0.1864

225.3309, 0.2538,
0.2870

2.1146, 0.1015,
0.1527

272.7684, 0.2573,

0.6728, 0.0405,

0.2896

0.1044

326.4361, 0.2604,
0.2919

0.0000, 0.0000,
0.0000

50.0134, 0.2190,
0.2597

50.0134, 0.2190,
0.2597

45.2815, 0.2091,
0.2470

55.3843, 0.2307,
0.2721

41.1334, 0.2013,
0.2344

61.4320, 0.2440,
0.2841


37.5102, 0.1956,
0.2219

68.1967, 0.2583,
0.2955

35.9360, 0.1934,
0.2161

75.7134, 0.2735,
0.3061

84.0144, 0.2890,
0.3158

 93.1298, 0.3046,
0.3247

99.8745, 0.3138,
0.3309

Harmonies

Analogous

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



50.0134, 0.2193, 0.2954



50.0134, 0.2190, 0.2597



50.0134, 0.2408, 0.2449

Triad

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



50.0134, 0.2190, 0.2597



50.0134, 0.3863, 0.3071



50.0134, 0.3366, 0.4247

Complementary

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



50.0134, 0.2190, 0.2597



40.9211, 0.4844, 0.3816

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.



50.0134, 0.3847, 0.4189



50.0134, 0.2190, 0.2597



50.0134, 0.4161, 0.3484

Square

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



50.0134, 0.2190, 0.2597



50.0134, 0.3356, 0.2723



50.0134, 0.4148, 0.3890



50.0134, 0.2844, 0.3976

Rectangle

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



50.0134, 0.2190, 0.2597



50.0134, 0.2665, 0.2463



50.0134, 0.4148, 0.3890



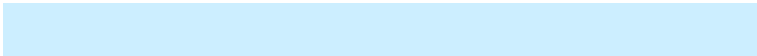
50.0134, 0.3538, 0.4262

Sweetspot

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



50.0152, 0.2190, 0.2597



81.3886, 0.2816, 0.3113



74.2460, 0.2831, 0.4788



16.9178, 0.2772, 0.3085



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.



50.0152, 0.2190, 0.2597



44.8556, 0.2067, 0.2435



22.1639, 0.1933, 0.1516



19.4208, 0.2980, 0.3210



19.3869, 0.1939, 0.2181



2.0871, 0.1978, 0.2322

Inverse Universe

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



31.9782, 0.3781, 0.2226



27.8122, 0.3964, 0.2122



74.2440, 0.4215, 0.4561



18.1933, 0.3188, 0.3131



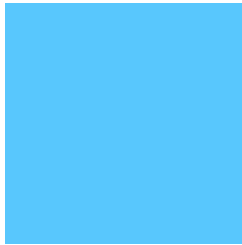
12.6851, 0.4253, 0.2116



1.2552, 0.4103, 0.2034

Previews

White Background



This preview shows how the Yxy color 50.0134, 0.2190, 0.2597 looks on a white background.

Color Contrast Check

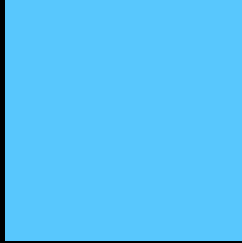
Large Text (above 18pt) WCAG AA × Fail

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 50.0134, 0.2190, 0.2597 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

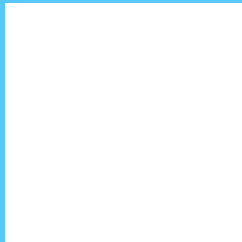
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0134, 0.2190, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 50.0134, 0.2190, 0.2597.



This preview shows how white text looks on a background with the Yxy color 50.0134, 0.2190, 0.2597.

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

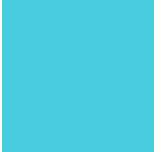
50.0134, 0.2190, 0.2597

Protanopia

49.3497, 0.2627, 0.2595

Deuteranopia

49.5003, 0.2514, 0.2454



Tritanopia

50.2227, 0.2288, 0.3066

Trichromacy



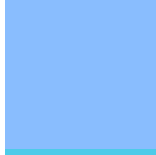
Original Color

50.0134, 0.2190, 0.2597



Protanomaly

48.7117, 0.2428, 0.2581



Deuteranomaly

48.8693, 0.2367, 0.2493



Tritanomaly

50.1728, 0.2248, 0.2883

Monochromacy



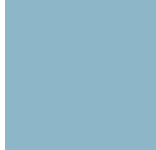
Original Color

50.0134, 0.2190, 0.2597



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.3357, 0.2671, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0134, 0.2190, 0.2597 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(88, 199, 253)` looks like.

```
.text, #text, p{  
    color:rgb(88, 199, 253)  
}
```

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(88, 199, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 199, 253) }
```

Border

The CSS property to change the border of an element to Yxy 50.0134, 0.2190, 0.2597 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(88, 199, 253) }
```

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

```
.border{ border-color:rgb(88, 199, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 199, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 199, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 199, 253);  
box-shadow:4px 4px 4px 4px rgb(88, 199,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0134, 0.2190, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 199, 253) }
```

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

```
.background{ background-color: rgb(88, 199,  
253) }
```

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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