

Converting Colors

$Yxy(50.2394, 0.2181, 0.2579)$

Have a look what the booklet for
Yxy(50.2394, 0.2181, 0.2579)
contains.

Yxy(50.0931, 0.2180, 0.2575)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.0931, 0.2180, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	57C7FF
RGB	87, 199, 255
RGB Percent	34%, 78%, 100%
CMY	0.6584, 0.2196, 0.0000
CMYK	0.66, 0.22, 0.00, 0.00
HSL	200°, 100%, 67%
HSV	200°, 66%, 100%
XYZ	42.4089, 50.0931, 102.0343
YIQ	171.8960, -84.7280, -6.3280

Conversions

Conversions Part 2

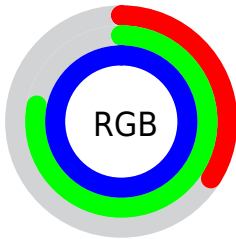
Format	Color
R _Y B	87, 154, 255
Decimal	5752831
CIE Lab	76.13, -15.03, -36.88
CIE LCh	76, 39.821, 247.830
Yxy	50.0931, 0.2180, 0.2575
Android (android.graphics.Color)	4283942911 (0xFF57C7FF)
YUV	171.8960, 40.9703, -74.4538
Hunter-Lab	70.7765, -16.9025, -35.9314

Details

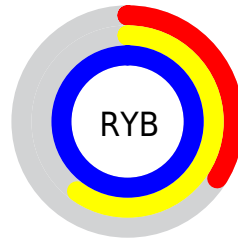
The Yxy color **50.0931, 0.2180, 0.2575** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.6220, 0.4857, 0.3829**, and the grayscale version is **41.0339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **24.3280, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **45.2702, 0.2081, 0.2446**, and if you desaturate by 10%, it is **55.5716, 0.2297, 0.2702**.

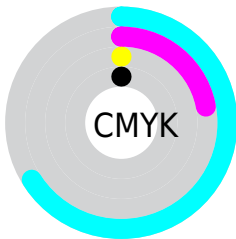
Distribution



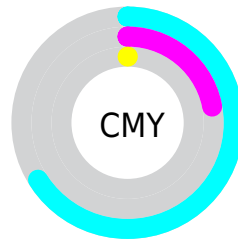
- Red (34%)
- Green (78%)
- Blue (100%)



- Red (34%)
- Yellow (60%)
- Blue (100%)



- Cyan (66%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0931, 0.2180, 0.2575 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 50.0931, 0.2180, 0.2575 by changing the saturation by 10% instead.


 50.0931, 0.2180,
0.2575


 50.0931, 0.2180,
0.2575


387.0299, 0.2626,
0.2927

 35.4874, 0.2079,
0.2491


 90.3128, 0.2335,
0.2701


 24.0385, 0.1954,
0.2385


 116.6956, 0.2395,
0.2749

 15.3622, 0.1798,
0.2250


 147.7728, 0.2447,
0.2789

 9.0740, 0.1600,
0.2072

 183.9289, 0.2492,
0.2825

 4.7895, 0.1342,
0.1830

225.5483, 0.2532,
0.2855

 2.1243, 0.1004,
0.1491

273.0153, 0.2566,

 0.6782, 0.0414,

0.2882

0.1012

326.7144, 0.2598,
0.2906

0.0000, 0.0000,
0.0000

50.0931, 0.2180,
0.2575

50.0931, 0.2180,
0.2575

45.2702, 0.2081,
0.2446

55.5716, 0.2297,
0.2702

41.0462, 0.2004,
0.2316

61.7449, 0.2430,
0.2825

37.3597, 0.1947,
0.2189

68.6544, 0.2574,
0.2941

35.9483, 0.1927,
0.2137

76.3361, 0.2725,
0.3050

84.8233, 0.2880,
0.3150

■ 94.1469, 0.3037,
0.3241

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



50.0931, 0.2173, 0.2929



50.0931, 0.2180, 0.2575



50.0931, 0.2410, 0.2434

Triad

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



50.0931, 0.2180, 0.2575



50.0931, 0.3893, 0.3083



50.0931, 0.3347, 0.4260

Complementary

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



50.0931, 0.2180, 0.2575



41.6220, 0.4857, 0.3829

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.



50.0931, 0.3841, 0.4212



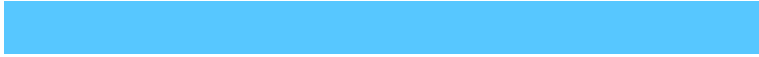
50.0931, 0.2180, 0.2575



50.0931, 0.4185, 0.3503

Square

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



50.0931, 0.2180, 0.2575



50.0931, 0.3382, 0.2726



50.0931, 0.4158, 0.3913



50.0931, 0.2818, 0.3972

Rectangle

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



50.0931, 0.2180, 0.2575



50.0931, 0.2675, 0.2454



50.0931, 0.4158, 0.3913



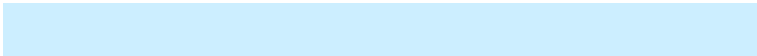
50.0931, 0.3523, 0.4280

Sweetspot

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



50.0949, 0.2180, 0.2575



81.2006, 0.2816, 0.3110



75.5313, 0.2819, 0.4768



16.8725, 0.2772, 0.3081



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.



50.0949, 0.2180, 0.2575



43.8773, 0.2055, 0.2405



21.5303, 0.1914, 0.1465



19.4007, 0.2980, 0.3209



19.0711, 0.1933, 0.2158



2.0580, 0.1973, 0.2302

Inverse Universe

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



32.2141, 0.3803, 0.2229



27.4793, 0.3996, 0.2128



76.8921, 0.4205, 0.4591



18.1913, 0.3189, 0.3133



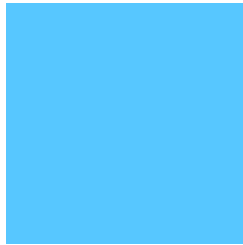
12.6532, 0.4278, 0.2130



1.2523, 0.4124, 0.2045

Previews

White Background



This preview shows how the Yxy color 50.0931, 0.2180, 0.2575 looks on a white background.

Color Contrast Check

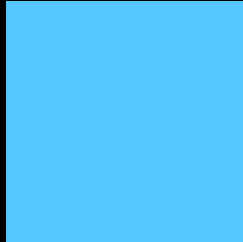
Large Text (above 18pt) WCAG AA × Fail

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 50.0931, 0.2180, 0.2575 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

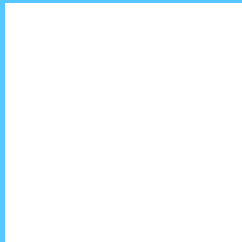
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0931, 0.2180, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 50.0931, 0.2180, 0.2575.

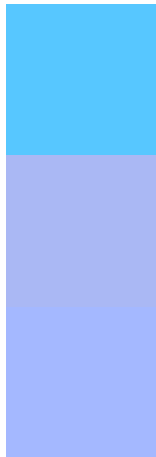


This preview shows how white text looks on a background with the Yxy color 50.0931, 0.2180, 0.2575.

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

50.0931, 0.2180, 0.2575

Protanopia

49.3587, 0.2608, 0.2572

Deuteranopia

49.3935, 0.2508, 0.2453



Tritanopia

50.1655, 0.2275, 0.3052

Trichromacy



Original Color

50.0931, 0.2180, 0.2575

Protanomaly

48.7480, 0.2412, 0.2559

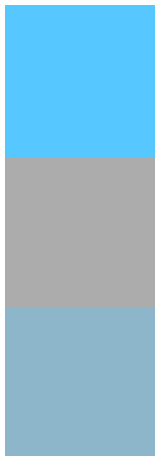
Deuteranomaly

48.8494, 0.2357, 0.2482

Tritanomaly

50.1482, 0.2238, 0.2870

Monochromacy



Original Color

50.0931, 0.2180, 0.2575

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.3829, 0.2665, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0931, 0.2180, 0.2575 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, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.0931, 0.2180, 0.2575 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, 199, 255) }
```

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

```
.border{ border-color:rgb(87, 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(87, 199, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0931, 0.2180, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 199, 255) }
```

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

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