

Converting Colors

$Y_{xy}(57.9915, 0.2194, 0.2233)$

Have a look what the booklet for
Yxy(57.9915, 0.2194, 0.2233)
contains.

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Color

Yxy(54.9184, 0.2375, 0.2658)

Conversions

Conversions Part 1

Format	Color
Hex	85CBFF
RGB	133, 203, 255
RGB Percent	52%, 80%, 100%
CMY	0.4787, 0.2039, 0.0000
CMYK	0.48, 0.20, 0.00, 0.00
HSL	206°, 100%, 76%
HSV	206°, 48%, 100%
XYZ	49.0712, 54.9184, 102.6259
YIQ	187.9980, -58.4120, 1.3320

Conversions

Conversions Part 2

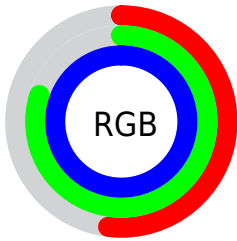
Format	Color
R_{YB}	133, 177, 255
Decimal	8768511
CIE _{Lab}	78.99, -8.35, -32.31
CIE _{LCh}	79, 33.370, 255.517
Yxy	54.9184, 0.2375, 0.2658
Android (android.graphics.Color)	4286958591 (0xFF85CBFF)
YUV	187.9980, 33.0320, -48.2332
Hunter-Lab	74.1069, -11.4903, -30.2320

Details

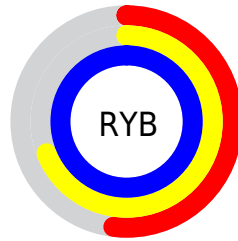
The Yxy color **54.9184, 0.2375, 0.2658** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.6163, 0.4176, 0.3831**, and the grayscale version is **50.1151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **27.0280, 0.2197, 0.2498** is the 20% darker color. If you saturate the color by 10%, you get **48.1400, 0.2233, 0.2497**, and if you desaturate by 10%, it is **62.5630, 0.2528, 0.2811**.

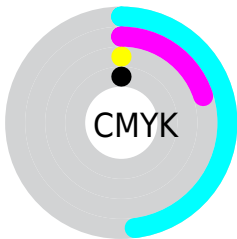
Distribution



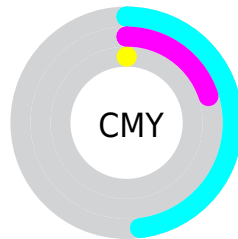
- Red (52%)
- Green (80%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9184, 0.2375, 0.2658 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 54.9184, 0.2375, 0.2658 by changing the saturation by 10% instead.

■ 54.9184, 0.2375,
0.2658

■ 54.9184, 0.2375,
0.2658

■ 405.6025, 0.2728,
0.2963

■ 39.3364, 0.2294,
0.2586

■ 97.4214, 0.2498,
0.2766

■ 27.0215, 0.2194,
0.2497

■ 125.1112, 0.2546,
0.2807

■ 17.5894, 0.2069,
0.2383

■ 157.6056, 0.2587,
0.2842

■ 10.6556, 0.1906,
0.2233

■ 195.2892, 0.2623,
0.2873

■ 5.8358, 0.1690,
0.2029

■ 238.5463, 0.2654,
0.2900

■ 2.7455, 0.1395,
0.1741

■ 287.7613, 0.2682,

■ 1.0003, 0.0980,

0.2923

0.1320

343.3186, 0.2706,
0.2944

0.0000, 0.0000,
0.0000

54.9184, 0.2375,
0.2658

54.9184, 0.2375,
0.2658

48.1400, 0.2233,
0.2497

62.5630, 0.2528,
0.2811

42.1786, 0.2105,
0.2330

71.1094, 0.2686,
0.2954

36.9860, 0.1997,
0.2162

80.5966, 0.2846,
0.3086

32.5047, 0.1910,
0.1996

91.0596, 0.3005,
0.3205

28.6597, 0.1846,
0.1836

100.0000, 0.3127,
0.3290

■ 27.9013, 0.1834,
0.1803

Harmonies

Analogous

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



54.9184, 0.2321, 0.2913



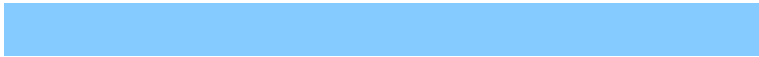
54.9184, 0.2375, 0.2658



54.9184, 0.2615, 0.2578

Triad

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



54.9184, 0.2375, 0.2658



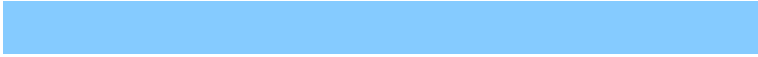
54.9184, 0.3831, 0.3213



54.9184, 0.3202, 0.4032

Complementary

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



54.9184, 0.2375, 0.2658



57.6163, 0.4176, 0.3831

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.



54.9184, 0.3624, 0.4074



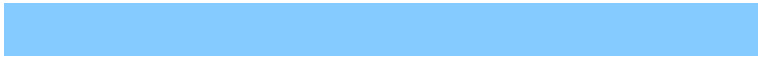
54.9184, 0.2375, 0.2658



54.9184, 0.4006, 0.3568

Square

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



54.9184, 0.2375, 0.2658



54.9184, 0.3452, 0.2892



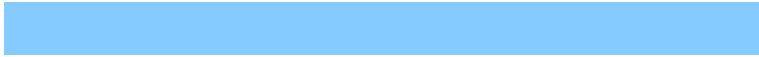
54.9184, 0.3925, 0.3887



54.9184, 0.2778, 0.3740

Rectangle

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



54.9184, 0.2375, 0.2658



54.9184, 0.2861, 0.2620



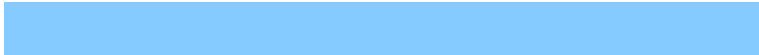
54.9184, 0.3925, 0.3887



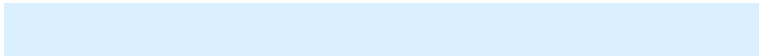
54.9184, 0.3349, 0.4075

Sweetspot

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



54.9200, 0.2375, 0.2658



84.5268, 0.2908, 0.3133



79.9534, 0.2818, 0.4168



17.6191, 0.2874, 0.3107



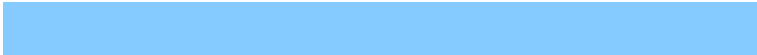
0.0000, 0.0000, 0.0000



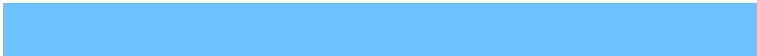
21.4041, 0.3127, 0.3290

Same Dimension

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



54.9200, 0.2375, 0.2658



48.6958, 0.2244, 0.2511



31.8784, 0.2232, 0.1895



19.1096, 0.2979, 0.3186



14.8813, 0.1841, 0.1829



1.6657, 0.1892, 0.2010

Inverse Universe

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



42.3298, 0.3678, 0.2578



36.1911, 0.3834, 0.2460



88.1524, 0.3878, 0.4379



18.1619, 0.3204, 0.3154



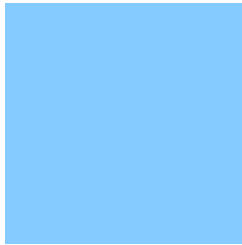
12.2302, 0.4651, 0.2336



1.2127, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 54.9184, 0.2375, 0.2658 looks on a white background.

Color Contrast Check

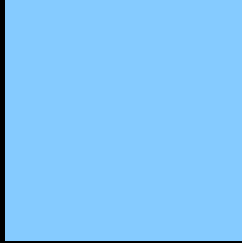
Large Text (above 18pt) WCAG AA × Fail

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 54.9184, 0.2375, 0.2658 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

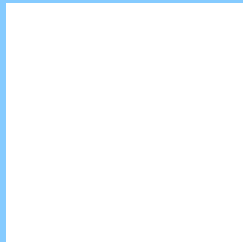
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9184, 0.2375, 0.2658

Background



This preview shows how black text looks on a background with the Yxy color 54.9184, 0.2375, 0.2658.

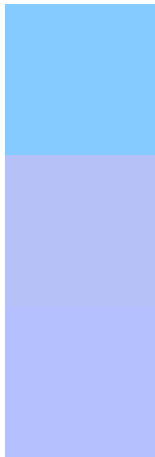


This preview shows how white text looks on a background with the Yxy color 54.9184, 0.2375, 0.2658.

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

54.9184, 0.2375, 0.2658

Protanopia

54.6791, 0.2676, 0.2664

Deuteranopia

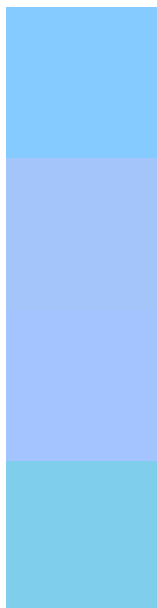
54.6226, 0.2621, 0.2570



Tritanopia

54.8331, 0.2487, 0.3067

Trichromacy



Original Color

54.9184, 0.2375, 0.2658

Protanomaly

54.7271, 0.2556, 0.2663

Deuteranomaly

54.4864, 0.2522, 0.2598

Tritanomaly

54.7108, 0.2443, 0.2908

Monochromacy



Original Color

54.9184, 0.2375, 0.2658

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.2182, 0.2804, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9184, 0.2375, 0.2658 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(133, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.9184, 0.2375, 0.2658 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(133, 203, 255) }
```

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

```
.border{ border-color:rgb(133, 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(133, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9184, 0.2375, 0.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 203, 255) }
```

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

```
.background{ background-color: rgb(133,  
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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