

Converting Colors

$Y_{xy}(50.6082, 0.2219, 0.2664)$

Have a look what the booklet for
Yxy(50.6082, 0.2219, 0.2664)
contains.

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Color

Yxy(50.8370, 0.2222, 0.2671)

Conversions

Conversions Part 1

Format	Color
Hex	5BC9F9
RGB	91, 201, 249
RGB Percent	36%, 79%, 98%
CMY	0.6435, 0.2117, 0.0235
CMYK	0.63, 0.19, 0.00, 0.02
HSL	198°, 93%, 67%
HSV	198°, 63%, 98%
XYZ	42.2912, 50.8370, 97.2013
YIQ	173.5820, -80.9680, -8.3920

Conversions

Conversions Part 2

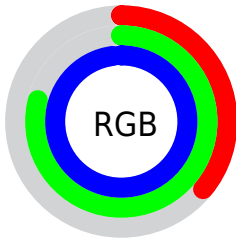
Format	Color
R _Y B	91, 156, 249
Decimal	6015481
CIE Lab	76.58, -17.34, -32.95
CIE LCh	77, 37.236, 242.253
Yxy	50.8370, 0.2222, 0.2671
Android (android.graphics.Color)	4284205561 (0xFF5BC9F9)
YUV	173.5820, 37.1811, -72.4244
Hunter-Lab	71.3001, -18.8989, -30.9182

Details

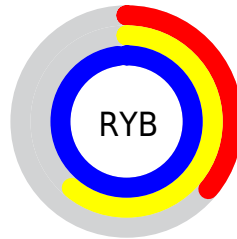
The Yxy color **50.8370, 0.2222, 0.2671** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **39.3229, 0.4809, 0.3770**, and the grayscale version is **41.9273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **24.6732, 0.2031, 0.2513** is the 20% darker color. If you saturate the color by 10%, you get **46.3406, 0.2123, 0.2555**, and if you desaturate by 10%, it is **55.9298, 0.2339, 0.2785**.

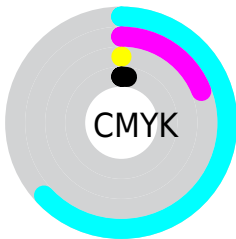
Distribution



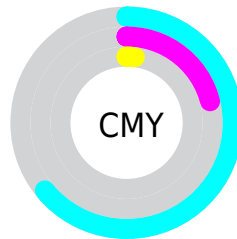
- Red (36%)
- Green (79%)
- Blue (98%)



- Red (36%)
- Yellow (61%)
- Blue (98%)



- Cyan (63%)
- Magenta (19%)
- Yellow (0%)
- Black (2%)



- Cyan (64%)
- Magenta (21%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8370, 0.2222, 0.2671 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 50.8370, 0.2222, 0.2671 by changing the saturation by 10% instead.

50.8370, 0.2222,
0.2671

50.8370, 0.2222,
0.2671

389.9302, 0.2648,
0.2979

36.0789, 0.2124,
0.2596

91.4138, 0.2370,
0.2782

24.4951, 0.2004,
0.2502

118.0013, 0.2428,
0.2824

15.7013, 0.1854,
0.2380

149.3007, 0.2478,
0.2859

9.3130, 0.1660,
0.2218

185.6964, 0.2521,
0.2890

4.9459, 0.1407,
0.1993

227.5728, 0.2559,
0.2917

2.2156, 0.1069,
0.1670

275.3143, 0.2592,

0.7285, 0.0445,

0.2940

0.1203

329.3053, 0.2622,
0.2961

0.0000, 0.0000,
0.0000

50.8370, 0.2222,
0.2671

50.8370, 0.2222,
0.2671

46.3406, 0.2123,
0.2555

55.9298, 0.2339,
0.2785

42.3894, 0.2045,
0.2438

61.6534, 0.2470,
0.2894

38.9297, 0.1987,
0.2323

68.0453, 0.2613,
0.2998

36.8911, 0.1958,
0.2249

75.1381, 0.2763,
0.3094

82.9618, 0.2918,
0.3183

91.5445, 0.3073,
0.3264

98.9271, 0.3162,
0.3337

99.6193, 0.3162,
0.3347

Harmonies

Analogous

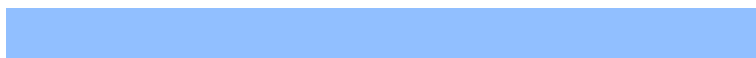
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8370, 0.2257, 0.3039



50.8370, 0.2222, 0.2671



50.8370, 0.2401, 0.2498

Triad

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



50.8370, 0.2222, 0.2671



50.8370, 0.3762, 0.3029



50.8370, 0.3428, 0.4204

Complementary

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



50.8370, 0.2222, 0.2671



39.3229, 0.4809, 0.3770

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.



50.8370, 0.3867, 0.4113



50.8370, 0.2222, 0.2671



50.8370, 0.4082, 0.3419

Square

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



50.8370, 0.2222, 0.2671



50.8370, 0.3269, 0.2710



50.8370, 0.4115, 0.3811



50.8370, 0.2930, 0.3992

Rectangle

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



50.8370, 0.2222, 0.2671



50.8370, 0.2629, 0.2492



50.8370, 0.4115, 0.3811



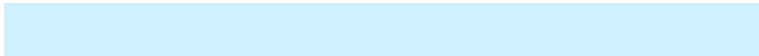
50.8370, 0.3588, 0.4205

Sweetspot

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



50.8388, 0.2222, 0.2671



82.9153, 0.2832, 0.3135



71.8120, 0.2846, 0.4775



17.2505, 0.2788, 0.3109



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.



50.8388, 0.2222, 0.2671



47.7815, 0.2101, 0.2524



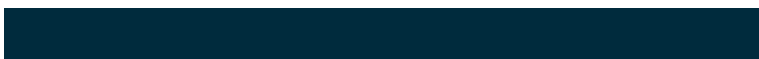
23.1052, 0.1973, 0.1603



18.6672, 0.2980, 0.3216



20.0100, 0.1963, 0.2267



2.0398, 0.2001, 0.2404

Inverse Universe

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



31.8217, 0.3710, 0.2213



28.6128, 0.3873, 0.2095



70.7124, 0.4205, 0.4515



17.4296, 0.3185, 0.3126



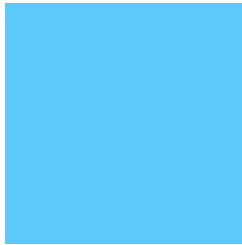
12.4309, 0.4161, 0.2066



1.1701, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 50.8370, 0.2222, 0.2671 looks on a white background.

Color Contrast Check

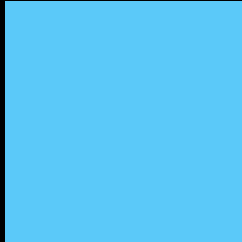
Large Text (above 18pt) WCAG AA × Fail

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 50.8370, 0.2222, 0.2671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

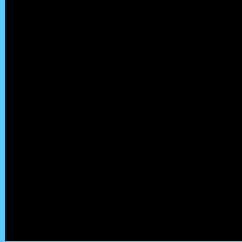
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

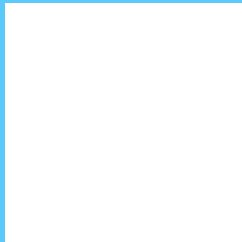
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8370, 0.2222, 0.2671

Background



This preview shows how black text looks on a background with the Yxy color 50.8370, 0.2222, 0.2671.



This preview shows how white text looks on a background with the Yxy color 50.8370, 0.2222, 0.2671.

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

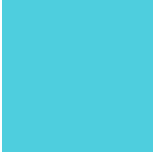
50.8370, 0.2222, 0.2671

Protanopia

50.4048, 0.2681, 0.2667

Deuteranopia

50.3358, 0.2558, 0.2493



Tritanopia

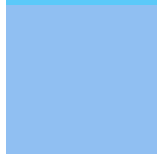
51.0362, 0.2308, 0.3068

Trichromacy



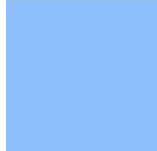
Original Color

50.8370, 0.2222, 0.2671



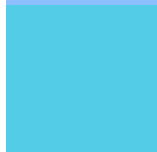
Protanomaly

49.6017, 0.2470, 0.2654



Deuteranomaly

49.9526, 0.2403, 0.2544



Tritanomaly

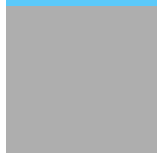
50.8509, 0.2275, 0.2912

Monochromacy



Original Color

50.8370, 0.2222, 0.2671



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.4273, 0.2695, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8370, 0.2222, 0.2671 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, 201, 249)` looks like.

```
.text, #text, p{  
    color:rgb(91, 201, 249)  
}
```

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, 201, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 201, 249) }
```

Border

The CSS property to change the border of an element to Yxy 50.8370, 0.2222, 0.2671 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, 201, 249) }
```

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

```
.border{ border-color:rgb(91, 201, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 201, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 201, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 201, 249);  
box-shadow:4px 4px 4px 4px rgb(91, 201,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8370, 0.2222, 0.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 201, 249) }
```

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

```
.background{ background-color: rgb(91, 201,  
249) }
```

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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