

Converting Colors

$Yxy(50.5311, 0.2153, 0.2654)$

Have a look what the booklet for
Yxy(50.5311, 0.2153, 0.2654)
contains.

Yxy(50.4350, 0.2151, 0.2652)	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(50.4350, 0.2151, 0.2652)

Conversions

Conversions Part 1

Format	Color
Hex	44CAFB
RGB	68, 202, 251
RGB Percent	27%, 79%, 98%
CMY	0.7339, 0.2078, 0.0157
CMYK	0.73, 0.20, 0.00, 0.02
HSL	196°, 96%, 63%
HSV	196°, 73%, 98%
XYZ	40.9071, 50.4350, 98.8351
YIQ	167.5200, -95.5930, -13.1690

Conversions

Conversions Part 2

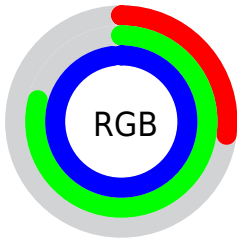
Format	Color
R _Y B	68, 145, 251
Decimal	4508411
CIE Lab	76.34, -20.49, -34.45
CIE LCh	76, 40.083, 239.254
Yxy	50.4350, 0.2151, 0.2652
Android (android.graphics.Color)	4282698491 (0xFF44CAFB)
YUV	167.5200, 41.1556, -87.2790
Hunter-Lab	71.0176, -21.4623, -32.8015

Details

The Yxy color **50.4350, 0.2151, 0.2652** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.6045, 0.5228, 0.3725**, and the grayscale version is **38.7221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **25.0749, 0.2028, 0.2502** is the 20% darker color. If you saturate the color by 10%, you get **46.6396, 0.2077, 0.2550**, and if you desaturate by 10%, it is **54.7566, 0.2245, 0.2753**.

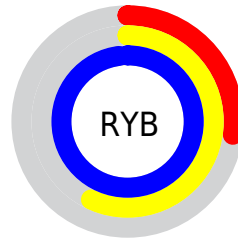
Distribution



Red (27%)

Green (79%)

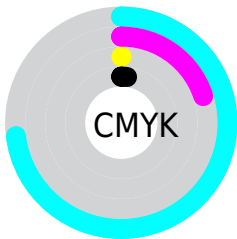
Blue (98%)



Red (27%)

Yellow (57%)

Blue (98%)

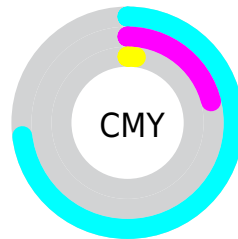


Cyan (73%)

Magenta (20%)

Yellow (0%)

Black (2%)



Cyan (73%)


Magenta (21%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4350, 0.2151, 0.2652 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 50.4350, 0.2151, 0.2652 by changing the saturation by 10% instead.


 50.4350, 0.2151,
0.2652


 50.4350, 0.2151,
0.2652


388.3646, 0.2609,
0.2971

 35.7592, 0.2047,
0.2574


 90.8191, 0.2310,
0.2767


 24.2482, 0.1919,
0.2476


 117.2961, 0.2372,
0.2810

 15.5179, 0.1760,
0.2349


 148.4756, 0.2425,
0.2847

 9.1836, 0.1557,
0.2180

 184.7420, 0.2471,
0.2879

 4.8612, 0.1294,
0.1947

226.4797, 0.2512,
0.2907

 2.1660, 0.0951,
0.1613

274.0731, 0.2548,

 0.7014, 0.0270,

0.2931

0.1140

327.9066, 0.2580,
0.2952

0.0000, 0.0000,
0.0000

50.4350, 0.2151,
0.2652

50.4350, 0.2151,
0.2652

46.6396, 0.2077,
0.2550

54.7566, 0.2245,
0.2753

43.3100, 0.2023,
0.2450


59.6446, 0.2358,
0.2852

41.1921, 0.1994,
0.2380

65.1404, 0.2485,
0.2948

71.2793, 0.2625,
0.3038

78.0938, 0.2773,
0.3122

 85.6135, 0.2926,
0.3200

 93.8663, 0.3081,
0.3270

 99.7443, 0.3150,
0.3328

Harmonies

Analogous

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



50.4350, 0.2210, 0.3064



50.4350, 0.2151, 0.2652



50.4350, 0.2319, 0.2450

Triad

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



50.4350, 0.2151, 0.2652



50.4350, 0.3764, 0.2970



50.4350, 0.3500, 0.4284

Complementary

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



50.4350, 0.2151, 0.2652



33.6045, 0.5228, 0.3725

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.



50.4350, 0.3959, 0.4149



50.4350, 0.2151, 0.2652



50.4350, 0.4137, 0.3381

Square

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



50.4350, 0.2151, 0.2652



50.4350, 0.3221, 0.2642



50.4350, 0.4203, 0.3804



50.4350, 0.2963, 0.4091

Rectangle

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



50.4350, 0.2151, 0.2652



50.4350, 0.2549, 0.2431



50.4350, 0.4203, 0.3804



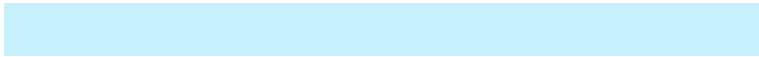
50.4350, 0.3669, 0.4271

Sweetspot

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



50.4368, 0.2151, 0.2652



81.6677, 0.2787, 0.3130



71.4878, 0.2862, 0.5107



17.0506, 0.2746, 0.3108



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.



50.4368, 0.2151, 0.2652



46.5325, 0.2047, 0.2499



19.4664, 0.1835, 0.1405



18.7772, 0.2980, 0.3225



21.9070, 0.1999, 0.2396



2.2033, 0.2032, 0.2516

Inverse Universe

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



28.8886, 0.3748, 0.2062



26.1590, 0.3916, 0.1986



66.1597, 0.4391, 0.4580



17.4407, 0.3179, 0.3118



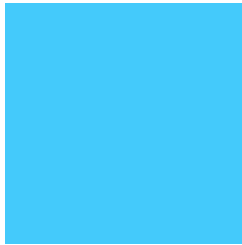
12.6224, 0.4027, 0.1992



1.1866, 0.3907, 0.1926

Previews

White Background



This preview shows how the Yxy color 50.4350, 0.2151, 0.2652 looks on a white background.

Color Contrast Check

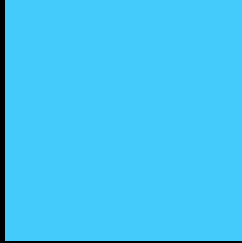
Large Text (above 18pt) WCAG AA × Fail

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 50.4350, 0.2151, 0.2652 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 50.4350, 0.2151, 0.2652

Background



This preview shows how black text looks on a background with the Yxy color 50.4350, 0.2151, 0.2652.



This preview shows how white text looks on a background with the Yxy color 50.4350, 0.2151, 0.2652.

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

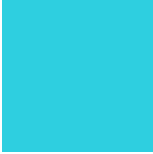
50.4350, 0.2151, 0.2652

Protanopia

49.7552, 0.2666, 0.2652

Deuteranopia

49.6080, 0.2520, 0.2456



Tritanopia

50.5883, 0.2225, 0.3051

Trichromacy



Original Color

50.4350, 0.2151, 0.2652



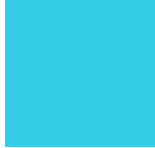
Protanomaly

48.8836, 0.2414, 0.2634



Deuteranomaly

49.1632, 0.2336, 0.2512



Tritanomaly

50.3874, 0.2194, 0.2893

Monochromacy



Original Color

50.4350, 0.2151, 0.2652



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.5450, 0.2619, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4350, 0.2151, 0.2652 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(68, 202, 251)` looks like.

```
.text, #text, p{  
    color:rgb(68, 202, 251)  
}
```

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(68, 202, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 202, 251) }
```

Border

The CSS property to change the border of an element to Yxy 50.4350, 0.2151, 0.2652 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(68, 202, 251) }
```

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

```
.border{ border-color:rgb(68, 202, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 202, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 202, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 202, 251);  
box-shadow:4px 4px 4px 4px rgb(68, 202,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4350, 0.2151, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 202, 251) }
```

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

```
.background{ background-color: rgb(68, 202,  
251) }
```

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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