

Converting Colors

$Y_{xy}(50.5774, 0.2105, 0.2613)$

Have a look what the booklet for
Yxy(50.5774, 0.2105, 0.2613)
contains.

Yxy(50.6357, 0.2106, 0.2615)	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(50.6357, 0.2106, 0.2615)

Conversions

Conversions Part 1

Format	Color
Hex	33CBFF
RGB	51, 203, 255
RGB Percent	20%, 80%, 100%
CMY	0.7989, 0.2040, 0.0001
CMYK	0.80, 0.20, 0.00, 0.00
HSL	195°, 100%, 60%
HSV	195°, 80%, 100%
XYZ	40.7796, 50.6357, 102.2202
YIQ	163.4800, -107.2840, -16.0520

Conversions

Conversions Part 2

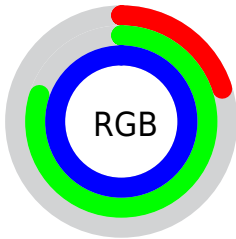
Format	Color
R _Y B	51, 138, 255
Decimal	3394559
CIE Lab	76.46, -21.41, -36.42
CIE LCh	76, 42.252, 239.551
Yxy	50.6357, 0.2106, 0.2615
Android (android.graphics.Color)	4281584639 (0xFF33CBFF)
YUV	163.4800, 45.1194, -98.6450
Hunter-Lab	71.1588, -22.2331, -35.3595

Details

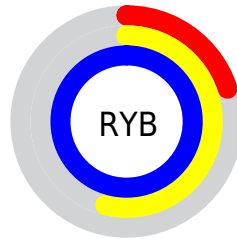
The Yxy color **50.6357, 0.2106, 0.2615** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.2575, 0.5515, 0.3690**, and the grayscale version is **36.7247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **25.5721, 0.2018, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **47.1330, 0.2048, 0.2519**, and if you desaturate by 10%, it is **54.6342, 0.2185, 0.2712**.

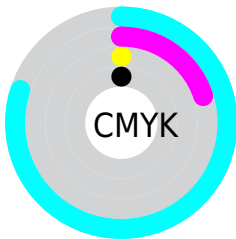
Distribution



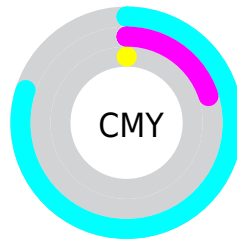
- Red (20%)
- Green (80%)
- Blue (100%)



- Red (20%)
- Yellow (54%)
- Blue (100%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6357, 0.2106, 0.2615 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 50.6357, 0.2106, 0.2615 by changing the saturation by 10% instead.


 50.6357, 0.2106,
0.2615


 50.6357, 0.2106,
0.2615

389.1467, 0.2583,
0.2952

 35.9188, 0.1998,
0.2533


 91.1160, 0.2271,
0.2736

 24.3715, 0.1867,
0.2431


 117.6483, 0.2335,
0.2782

 15.6094, 0.1704,
0.2298


 148.8877, 0.2391,
0.2821

 9.2482, 0.1497,
0.2123

 185.2187, 0.2439,
0.2855

 4.9034, 0.1232,
0.1883

227.0257, 0.2482,
0.2884

 2.1907, 0.0892,
0.1544

274.6931, 0.2519,

 0.7149, 0.0236,

0.2909

0.1076

328.6053, 0.2553,
0.2932

0.0000, 0.0000,
0.0000

50.6357, 0.2106,
0.2615

50.6357, 0.2106,
0.2615

47.1330, 0.2048,
0.2519

54.6342, 0.2185,
0.2712

44.0355, 0.2007,
0.2424

59.1766, 0.2283,
0.2808

44.0010, 0.2006,
0.2423

64.3095, 0.2399,
0.2901

70.0725, 0.2529,
0.2990

76.5009, 0.2671,
0.3075

■ 83.6274, 0.2820,
0.3153

■ 91.4819, 0.2974,
0.3225

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



50.6357, 0.2164, 0.3044



50.6357, 0.2106, 0.2615



50.6357, 0.2283, 0.2408

Triad

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



50.6357, 0.2106, 0.2615



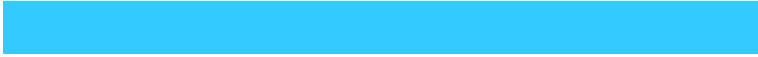
50.6357, 0.3803, 0.2957



50.6357, 0.3510, 0.4338

Complementary

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



50.6357, 0.2106, 0.2615



31.2575, 0.5515, 0.3690

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.



50.6357, 0.3995, 0.4193



50.6357, 0.2106, 0.2615



50.6357, 0.4193, 0.3386

Square

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



50.6357, 0.2106, 0.2615



50.6357, 0.3231, 0.2615



50.6357, 0.4257, 0.3828



50.6357, 0.2947, 0.4133

Rectangle

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



50.6357, 0.2106, 0.2615



50.6357, 0.2524, 0.2392



50.6357, 0.4257, 0.3828



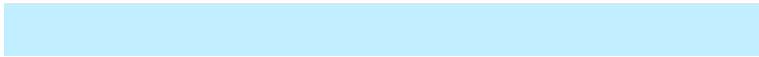
50.6357, 0.3688, 0.4324

Sweetspot

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



50.6375, 0.2106, 0.2615



80.6170, 0.2758, 0.3122



73.1868, 0.2878, 0.5327



16.7168, 0.2705, 0.3093



0.0000, 0.0000, 0.0000



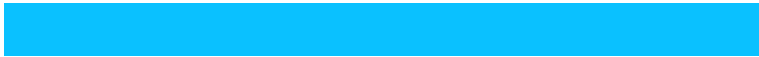
21.4041, 0.3127, 0.3290

Same Dimension

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



50.6375, 0.2106, 0.2615



45.2091, 0.2021, 0.2461



17.4759, 0.1749, 0.1263



19.6501, 0.2980, 0.3228



23.2465, 0.2011, 0.2439



2.4387, 0.2041, 0.2547

Inverse Universe

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



27.9621, 0.3794, 0.1994



25.3098, 0.3960, 0.1968



64.7151, 0.4517, 0.4607



18.2165, 0.3177, 0.3115



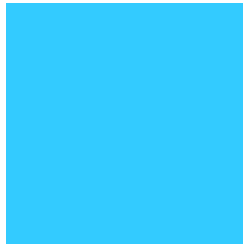
13.0747, 0.3984, 0.1968



1.2907, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 50.6357, 0.2106, 0.2615 looks on a white background.

Color Contrast Check

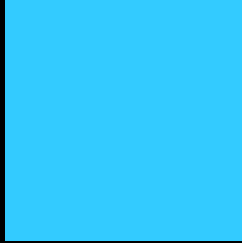
Large Text (above 18pt) WCAG AA × Fail

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 50.6357, 0.2106, 0.2615 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

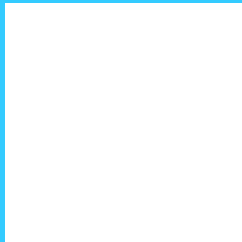
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6357, 0.2106, 0.2615

Background



This preview shows how black text looks on a background with the Yxy color 50.6357, 0.2106, 0.2615.



This preview shows how white text looks on a background with the Yxy color 50.6357, 0.2106, 0.2615.

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

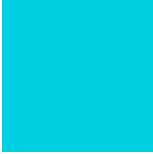
50.6357, 0.2106, 0.2615

Protanopia

49.8794, 0.2635, 0.2608

Deuteranopia

49.9173, 0.2516, 0.2466



Tritanopia

50.5480, 0.2180, 0.3049

Trichromacy



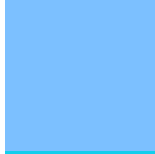
Original Color

50.6357, 0.2106, 0.2615



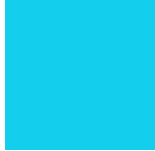
Protanomaly

49.0039, 0.2361, 0.2598



Deuteranomaly

49.2044, 0.2305, 0.2509



Tritanomaly

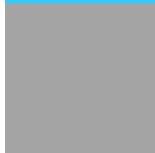
50.3372, 0.2143, 0.2878

Monochromacy



Original Color

50.6357, 0.2106, 0.2615



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.0830, 0.2569, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6357, 0.2106, 0.2615 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(51, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.6357, 0.2106, 0.2615 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(51, 203, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 203, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6357, 0.2106, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 203, 255) }
```

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

```
.background{ background-color: rgb(51, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor