

Converting Colors

$Y_{xy}(50.3600, 0.1585, 0.1831)$

Have a look what the booklet for
Yxy(50.3600, 0.1585, 0.1831)
contains.

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Color

Yxy(49.9319, 0.2058, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	01CBFF
RGB	1, 203, 255
RGB Percent	0%, 80%, 100%
CMY	0.9959, 0.2040, 0.0000
CMYK	1.00, 0.20, 0.00, 0.00
HSL	192°, 100%, 50%
HSV	192°, 100%, 100%
XYZ	39.4169, 49.9319, 102.1813
YIQ	148.5300, -137.0840, -26.6520

Conversions

Conversions Part 2

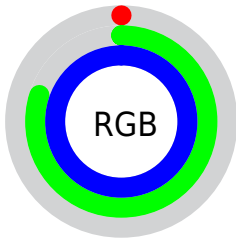
Format	Color
R _Y B	1, 114, 255
Decimal	117759
CIE Lab	76.03, -23.81, -37.14
CIE LCh	76, 44.116, 237.343
Yxy	49.9319, 0.2058, 0.2607
Android (android.graphics.Color)	4278307839 (0xFF01CBFF)
YUV	148.5300, 52.4897, -129.3838
Hunter-Lab	70.6625, -24.0887, -36.2724

Details

The Yxy color **49.9319, 0.2058, 0.2607** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **23.8130, 0.6188, 0.3465**, and the grayscale version is **29.6681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **25.5721, 0.2018, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **49.8256, 0.2057, 0.2604**, and if you desaturate by 10%, it is **52.6609, 0.2093, 0.2682**.

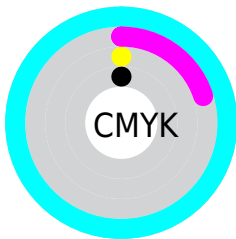
Distribution



- Red (0%)
- Green (80%)
- Blue (100%)



- Red (0%)
- Yellow (45%)
- Blue (100%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9319, 0.2058, 0.2607 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 49.9319, 0.2058, 0.2607 by changing the saturation by 10% instead.


 49.9319, 0.2058,
0.2607

 49.9319, 0.2058,
0.2607


386.3996, 0.2557,
0.2950


 35.3593, 0.1946,
0.2523


 90.0740, 0.2230,
0.2731


 23.9398, 0.1809,
0.2418


 116.4122, 0.2297,
0.2777


 15.2889, 0.1640,
0.2282


 147.4411, 0.2356,
0.2817

 9.0224, 0.1427,
0.2102

 183.5451, 0.2406,
0.2851

 4.7558, 0.1155,
0.1855

 225.1086, 0.2451,
0.2881

 2.1047, 0.0812,
0.1507

272.5158, 0.2490,

 0.6673, 0.0082,

0.2907

0.1028

326.1514, 0.2525,
0.2930

■ 0.0000, 0.0000,
0.0000

■ 49.9319, 0.2058,
0.2607

■ 49.9319, 0.2058,
0.2607

■ 49.8256, 0.2057,
0.2604

■ 52.6609, 0.2093,
0.2682

■ 55.7573, 0.2145,
0.2757

■ 59.3033, 0.2217,
0.2833

■ 63.3511, 0.2308,
0.2909

■ 67.9448, 0.2417,
0.2982

■ 73.1230, 0.2542,
0.3053

■ 78.9203, 0.2680,
0.3120

■ 85.3685, 0.2826,
0.3182

■ 92.4969, 0.2978,
0.3240

Harmonies

Analogous

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



49.9319, 0.2136, 0.3070



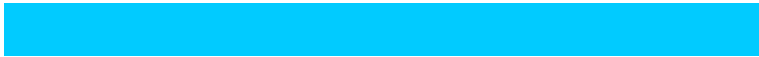
49.9319, 0.2058, 0.2607



49.9319, 0.2224, 0.2377

Triad

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



49.9319, 0.2058, 0.2607



49.9319, 0.3795, 0.2911



49.9319, 0.3567, 0.4392

Complementary

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



49.9319, 0.2058, 0.2607



23.8130, 0.6188, 0.3465

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.



49.9319, 0.4063, 0.4210



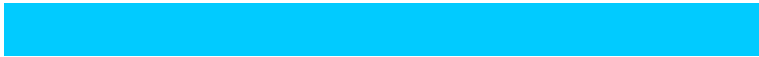
49.9319, 0.2058, 0.2607



49.9319, 0.4226, 0.3352

Square

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



49.9319, 0.2058, 0.2607



49.9319, 0.3188, 0.2565



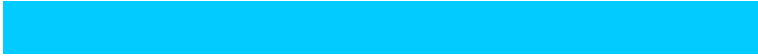
49.9319, 0.4319, 0.3815



49.9319, 0.2978, 0.4208

Rectangle

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



49.9319, 0.2058, 0.2607



49.9319, 0.2464, 0.2351



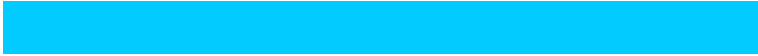
49.9319, 0.4319, 0.3815



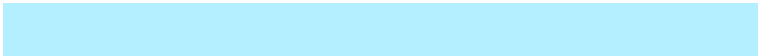
49.9319, 0.3750, 0.4366

Sweetspot

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



49.9325, 0.2058, 0.2607



78.6721, 0.2674, 0.3117



71.7731, 0.2951, 0.5820



16.3016, 0.2615, 0.3089



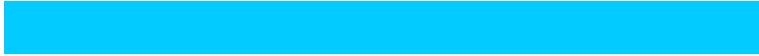
0.0000, 0.0000, 0.0000



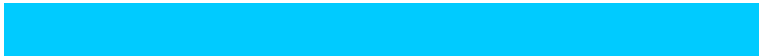
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9325, 0.2058, 0.2607



49.8256, 0.2057, 0.2604



12.5661, 0.1604, 0.0972



19.8124, 0.2980, 0.3240



26.2554, 0.2060, 0.2617



2.7083, 0.2084, 0.2702

Inverse Universe

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



25.5937, 0.3817, 0.1878



25.5611, 0.3820, 0.1878



53.4268, 0.4855, 0.4525



18.2329, 0.3170, 0.3103



13.3785, 0.3808, 0.1871



1.3179, 0.3726, 0.1826

Previews

White Background



This preview shows how the Yxy color 49.9319, 0.2058, 0.2607 looks on a white background.

Color Contrast Check

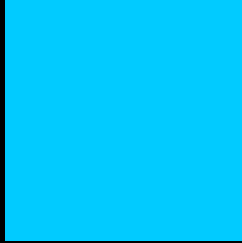
Large Text (above 18pt) WCAG AA × Fail

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 49.9319, 0.2058, 0.2607 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 49.9319, 0.2058, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 49.9319, 0.2058, 0.2607.

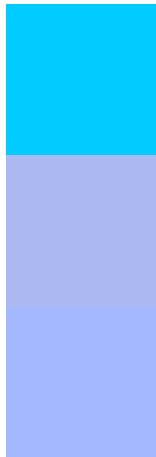


This preview shows how white text looks on a background with the Yxy color 49.9319, 0.2058, 0.2607.

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

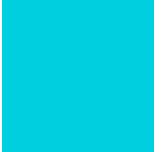
49.9383, 0.2058, 0.2607

Protanopia

49.2898, 0.2633, 0.2605

Deuteranopia

49.2875, 0.2502, 0.2451



Tritanopia

49.9534, 0.2184, 0.3062

Trichromacy



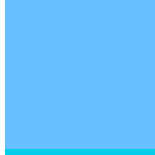
Original Color

49.9383, 0.2058, 0.2607



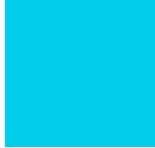
Protanomaly

47.1666, 0.2274, 0.2580



Deuteranomaly

47.4247, 0.2215, 0.2479



Tritanomaly

50.1408, 0.2136, 0.2889

Monochromacy



Original Color

49.9383, 0.2058, 0.2607



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.4397, 0.2430, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9319, 0.2058, 0.2607 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(1, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.9319, 0.2058, 0.2607 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(1, 203, 255) }
```

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

```
.border{ border-color:rgb(1, 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(1, 203, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9319, 0.2058, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 203, 255) }
```

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

```
.background{ background-color: rgb(1, 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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