

Converting Colors

$Y_{xy}(45.9745, 0.1525, 0.2018)$

Have a look what the booklet for
Yxy(45.9745, 0.1525, 0.2018)
contains.

Yxy(48.9933, 0.2050, 0.2579)	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(48.9933, 0.2050, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	01C9FF
RGB	1, 201, 255
RGB Percent	0%, 79%, 100%
CMY	0.9980, 0.2118, 0.0000
CMYK	1.00, 0.21, 0.00, 0.00
HSL	193°, 100%, 50%
HSV	193°, 100%, 100%
XYZ	38.9439, 48.9933, 102.0330
YIQ	147.3560, -136.5340, -25.6060

Conversions

Conversions Part 2

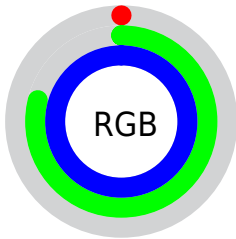
Format	Color
R _Y B	1, 113, 255
Decimal	117247
CIE Lab	75.45, -22.80, -38.05
CIE LCh	75, 44.357, 239.066
Yxy	48.9933, 0.2050, 0.2579
Android (android.graphics.Color)	4278307327 (0xFF01C9FF)
YUV	147.3560, 53.0685, -128.3542
Hunter-Lab	69.9952, -23.1779, -37.4312

Details

The Yxy color **48.9933, 0.2050, 0.2579** 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 **23.9476, 0.6179, 0.3474**, and the grayscale version is **29.0850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **24.9447, 0.2008, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **48.9398, 0.2049, 0.2578**, and if you desaturate by 10%, it is **51.7773, 0.2086, 0.2657**.

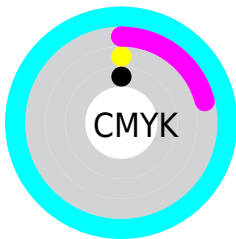
Distribution



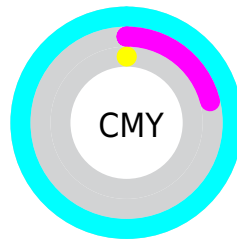
- Red (0%)
- Green (79%)
- Blue (100%)



- Red (0%)
- Yellow (44%)
- Blue (100%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9933, 0.2050, 0.2579 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 48.9933, 0.2050, 0.2579 by changing the saturation by 10% instead.


 48.9933, 0.2050,
0.2579

 48.9933, 0.2050,
0.2579


 382.7159, 0.2553,
0.2936

 34.6142, 0.1937,
0.2492


 88.6815, 0.2224,
0.2707


 23.3658, 0.1798,
0.2383


 114.7594, 0.2292,
0.2756

 14.8639, 0.1627,
0.2243


 145.5056, 0.2351,
0.2797

 8.7239, 0.1411,
0.2056

 181.3046, 0.2402,
0.2833

 4.5615, 0.1137,
0.1802

 222.5407, 0.2447,
0.2864

 1.9924, 0.0791,
0.1447

 269.5984, 0.2486,

 0.6030, 0.0026,

0.2891

0.0947

322.8620, 0.2522,
0.2915

■ 0.0000, 0.0000,
0.0000

■ 48.9933, 0.2050,
0.2579

■ 48.9933, 0.2050,
0.2579

■ 48.9398, 0.2049,
0.2578

■ 51.7773, 0.2086,
0.2657

■ 54.9320, 0.2138,
0.2735

■ 58.5411, 0.2211,
0.2814

■ 62.6571, 0.2303,
0.2893

■ 67.3243, 0.2413,
0.2969

■ 72.5814, 0.2538,
0.3042

■ 78.4634, 0.2676,
0.3112

■ 85.0020, 0.2823,
0.3177

■ 92.2268, 0.2975,
0.3237

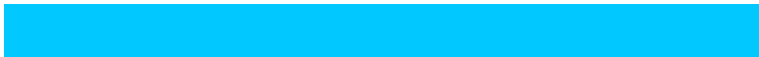
Harmonies

Analogous

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



48.9933, 0.2114, 0.3034



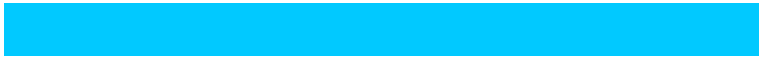
48.9933, 0.2050, 0.2579



48.9933, 0.2232, 0.2361

Triad

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



48.9933, 0.2050, 0.2579



48.9933, 0.3835, 0.2930



48.9933, 0.3537, 0.4406

Complementary

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



48.9933, 0.2050, 0.2579



23.9476, 0.6179, 0.3474

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.



48.9933, 0.4050, 0.4237



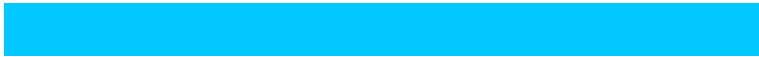
48.9933, 0.2050, 0.2579



48.9933, 0.4255, 0.3378

Square

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



48.9933, 0.2050, 0.2579



48.9933, 0.3225, 0.2573



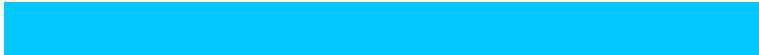
48.9933, 0.4326, 0.3845



48.9933, 0.2942, 0.4197

Rectangle

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



48.9933, 0.2050, 0.2579



48.9933, 0.2482, 0.2343



48.9933, 0.4326, 0.3845



48.9933, 0.3725, 0.4386

Sweetspot

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



48.9933, 0.2050, 0.2579



78.3401, 0.2673, 0.3111



71.7659, 0.2951, 0.5823



16.2216, 0.2614, 0.3082



0.0000, 0.0000, 0.0000



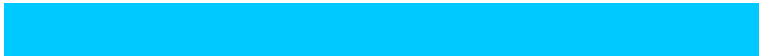
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9933, 0.2050, 0.2579



48.9398, 0.2049, 0.2578



12.5108, 0.1603, 0.0969



19.7885, 0.2980, 0.3238



25.7978, 0.2053, 0.2591



2.6675, 0.2078, 0.2680

Inverse Universe

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



25.4877, 0.3844, 0.1892



25.4717, 0.3846, 0.1892



53.3621, 0.4857, 0.4524



18.2305, 0.3171, 0.3105



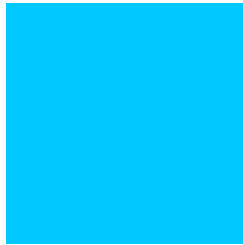
13.3323, 0.3833, 0.1885



1.3138, 0.3748, 0.1838

Previews

White Background



This preview shows how the Yxy color 48.9933, 0.2050, 0.2579 looks on a white background.

Color Contrast Check

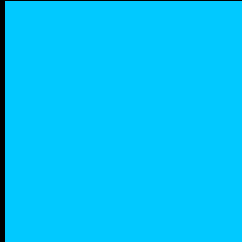
Large Text (above 18pt) WCAG AA × Fail

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 48.9933, 0.2050, 0.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

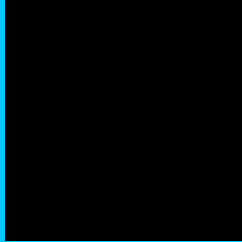
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9933, 0.2050, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 48.9933, 0.2050, 0.2579.



This preview shows how white text looks on a background with the Yxy color 48.9933, 0.2050, 0.2579.

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

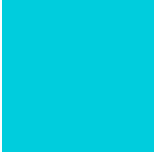
48.9997, 0.2050, 0.2579

Protanopia

48.2418, 0.2616, 0.2578

Deuteranopia

48.5606, 0.2481, 0.2435



Tritanopia

48.8831, 0.2183, 0.3060

Trichromacy



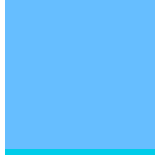
Original Color

48.9997, 0.2050, 0.2579



Protanomaly

46.2372, 0.2264, 0.2552



Deuteranomaly

46.8717, 0.2205, 0.2464



Tritanomaly

49.0689, 0.2135, 0.2886

Monochromacy



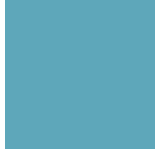
Original Color

48.9997, 0.2050, 0.2579



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.5623, 0.2430, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9933, 0.2050, 0.2579 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 201, 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, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.9933, 0.2050, 0.2579 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, 201, 255) }
```

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

```
.border{ border-color:rgb(1, 201, 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, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9933, 0.2050, 0.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 201, 255) }
```

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

```
.background{ background-color: rgb(1, 201,  
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