

Converting Colors

$Y_{xy}(47.4104, 0.1315, 0.1626)$

Have a look what the booklet for
Yxy(47.4104, 0.1315, 0.1626)
contains.

Yxy(50.4057, 0.2062, 0.2621)	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(50.4057, 0.2062, 0.2621)

Conversions

Conversions Part 1

Format	Color
Hex	01CCFF
RGB	1, 204, 255
RGB Percent	0%, 80%, 100%
CMY	0.9949, 0.2001, 0.0000
CMYK	0.99, 0.20, 0.00, 0.00
HSL	192°, 100%, 50%
HSV	192°, 99%, 100%
XYZ	39.6553, 50.4057, 102.2538
YIQ	149.1170, -137.3590, -27.1750

Conversions

Conversions Part 2

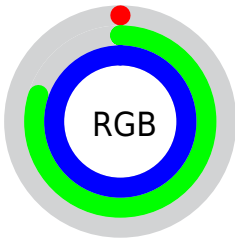
Format	Color
R _Y B	1, 114, 255
Decimal	118015
CIE Lab	76.32, -24.31, -36.69
CIE LCh	76, 44.008, 236.475
Yxy	50.4057, 0.2062, 0.2621
Android (android.graphics.Color)	4278308095 (0xFF01CCFF)
YUV	149.1170, 52.2003, -129.8986
Hunter-Lab	70.9970, -24.5437, -35.6949

Details

The Yxy color **50.4057, 0.2062, 0.2621** 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 **23.7475, 0.6192, 0.3461**, and the grayscale version is **29.9626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **25.8899, 0.2023, 0.2482** is the 20% darker color. If you saturate the color by 10%, you get **50.2738, 0.2060, 0.2617**, and if you desaturate by 10%, it is **53.1065, 0.2097, 0.2694**.

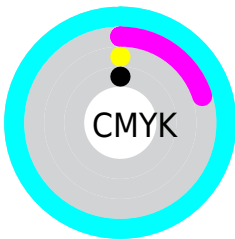
Distribution



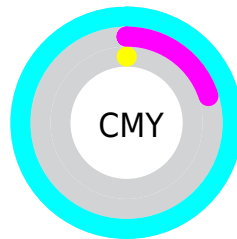
- Red (0%)
- Green (80%)
- Blue (100%)



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



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4057, 0.2062, 0.2621 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 50.4057, 0.2062, 0.2621 by changing the saturation by 10% instead.


 50.4057, 0.2062,
0.2621


 50.4057, 0.2062,
0.2621


388.2504, 0.2558,
0.2957


 35.7359, 0.1951,
0.2539


 90.7757, 0.2233,
0.2742


 24.2303, 0.1815,
0.2436


 117.2446, 0.2300,
0.2788


 15.5045, 0.1646,
0.2302


 148.4154, 0.2358,
0.2827

 9.1742, 0.1434,
0.2125

 184.6724, 0.2408,
0.2861

 4.8550, 0.1165,
0.1882

 226.4000, 0.2453,
0.2890

 2.1624, 0.0822,
0.1538

273.9826, 0.2492,

 0.6994, 0.0109,

0.2915

0.1068

327.8046, 0.2527,
0.2938

■ 0.0000, 0.0000,
0.0000

■ 50.4057, 0.2062,
0.2621

■ 50.4057, 0.2062,
0.2621

■ 50.2738, 0.2060,
0.2617

■ 53.1065, 0.2097,
0.2694

■ 56.1730, 0.2148,
0.2768

■ 59.6867, 0.2220,
0.2843

■ 63.6998, 0.2311,
0.2917

■ 68.2562, 0.2420,
0.2989

■ 73.3944, 0.2544,
0.3058

■ 79.1489, 0.2682,
0.3123

■ 85.5515, 0.2828,
0.3185

■ 92.6314, 0.2980,
0.3241

Harmonies

Analogous

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



50.4057, 0.2147, 0.3088



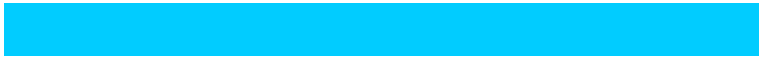
50.4057, 0.2062, 0.2621



50.4057, 0.2221, 0.2385

Triad

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



50.4057, 0.2062, 0.2621



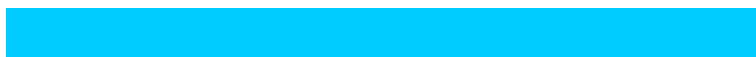
50.4057, 0.3776, 0.2901



50.4057, 0.3581, 0.4385

Complementary

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



50.4057, 0.2062, 0.2621



23.7475, 0.6192, 0.3461

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.



50.4057, 0.4070, 0.4196



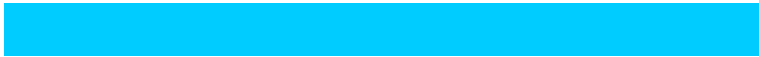
50.4057, 0.2062, 0.2621



50.4057, 0.4212, 0.3338

Square

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



50.4057, 0.2062, 0.2621



50.4057, 0.3170, 0.2560



50.4057, 0.4315, 0.3800



50.4057, 0.2996, 0.4213

Rectangle

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



50.4057, 0.2062, 0.2621



50.4057, 0.2455, 0.2354



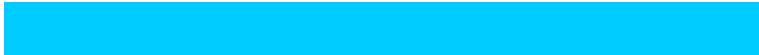
50.4057, 0.4315, 0.3800



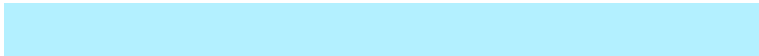
50.4057, 0.3762, 0.4356

Sweetspot

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



50.4068, 0.2062, 0.2621



78.8389, 0.2674, 0.3120



71.7768, 0.2950, 0.5818



16.3419, 0.2615, 0.3093



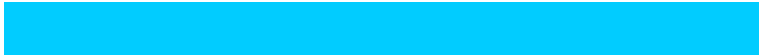
0.0000, 0.0000, 0.0000



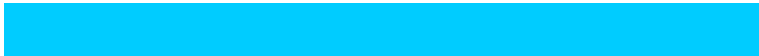
21.4041, 0.3127, 0.3290

Same Dimension

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



50.4068, 0.2062, 0.2621



50.2738, 0.2060, 0.2617



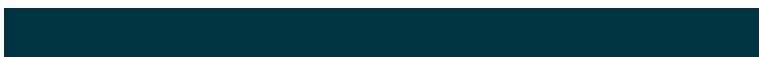
12.5942, 0.1605, 0.0974



19.8243, 0.2980, 0.3241



26.4869, 0.2064, 0.2630



2.7289, 0.2087, 0.2713

Inverse Universe

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



25.6472, 0.3803, 0.1870



25.6063, 0.3807, 0.1871



53.4596, 0.4854, 0.4525



18.2341, 0.3169, 0.3102



13.4018, 0.3795, 0.1865



1.3200, 0.3716, 0.1821

Previews

White Background



This preview shows how the Yxy color 50.4057, 0.2062, 0.2621 looks on a white background.

Color Contrast Check

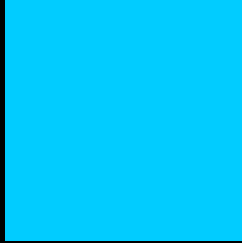
Large Text (above 18pt) WCAG AA × Fail

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 50.4057, 0.2062, 0.2621 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 50.4057, 0.2062, 0.2621

Background



This preview shows how black text looks on a background with the Yxy color 50.4057, 0.2062, 0.2621.



This preview shows how white text looks on a background with the Yxy color 50.4057, 0.2062, 0.2621.

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

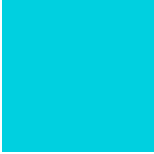
50.4122, 0.2062, 0.2621

Protanopia

49.8195, 0.2641, 0.2619

Deuteranopia

49.9173, 0.2516, 0.2466



Tritanopia

50.4936, 0.2184, 0.3063

Trichromacy



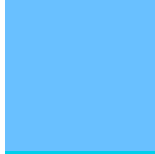
Original Color

50.4122, 0.2062, 0.2621



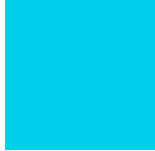
Protanomaly

47.6681, 0.2281, 0.2594



Deuteranomaly

47.9225, 0.2222, 0.2493



Tritanomaly

50.6238, 0.2140, 0.2904

Monochromacy



Original Color

50.4122, 0.2062, 0.2621



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 50.4057, 0.2062, 0.2621 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 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, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.4057, 0.2062, 0.2621 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, 204, 255) }
```

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

```
.border{ border-color:rgb(1, 204, 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, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4057, 0.2062, 0.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 255) }
```

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

```
.background{ background-color: rgb(1, 204,  
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