

Converting Colors

$Y_{xy}(49.1037, 0.1961, 0.2634)$

Have a look what the booklet for
Yxy(49.1037, 0.1961, 0.2634)
contains.

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Color

Yxy(50.7545, 0.2072, 0.2658)

Conversions

Conversions Part 1

Format	Color
Hex	01CDFD
RGB	1, 205, 253
RGB Percent	0%, 80%, 99%
CMY	0.9975, 0.1961, 0.0079
CMYK	1.00, 0.19, 0.00, 0.01
HSL	191°, 99%, 50%
HSV	191°, 100%, 99%
XYZ	39.5648, 50.7545, 100.6306
YIQ	149.4760, -136.9920, -28.3200

Conversions

Conversions Part 2

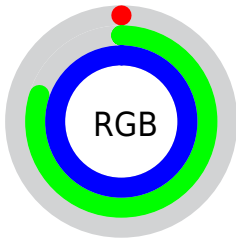
Format	Color
RYB	1, 114, 253
Decimal	118269
CIELab	76.53, -25.51, -35.28
CIELCh	77, 43.534, 234.134
Yxy	50.7545, 0.2072, 0.2658
Android (android.graphics.Color)	4278308349 (0xFF01CDFD)
YUV	149.4760, 51.0373, -130.2135
Hunter-Lab	71.2422, -25.5427, -33.8785

Details

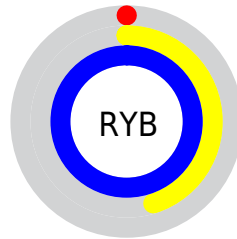
The Yxy color **50.7545, 0.2072, 0.2658** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **23.0487, 0.6216, 0.3444**, and the grayscale version is **30.0411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **26.1187, 0.2036, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **50.6935, 0.2071, 0.2656**, and if you desaturate by 10%, it is **53.3085, 0.2105, 0.2727**.

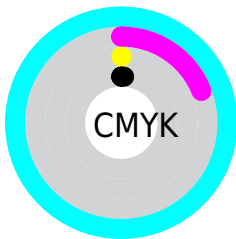
Distribution



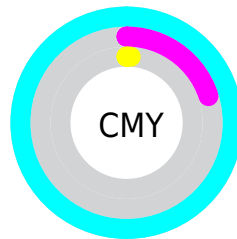
- Red (0%)
- Green (80%)
- Blue (99%)



- Red (0%)
- Yellow (45%)
- Blue (99%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7545, 0.2072, 0.2658 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 50.7545, 0.2072, 0.2658 by changing the saturation by 10% instead.


 50.7545, 0.2072,
0.2658


 50.7545, 0.2072,
0.2658


 389.6092, 0.2564,
0.2977


 36.0133, 0.1961,
0.2580


 91.2918, 0.2242,
0.2773


 24.4444, 0.1827,
0.2481


 117.8566, 0.2308,
0.2817

 15.6636, 0.1659,
0.2352


 149.1314, 0.2365,
0.2854

 9.2864, 0.1448,
0.2181

 185.5006, 0.2415,
0.2886

 4.9285, 0.1179,
0.1944

 227.3486, 0.2459,
0.2913

 2.2054, 0.0836,
0.1606

 275.0598, 0.2498,

 0.7229, 0.0102,

0.2937

0.1142

329.0185, 0.2533,
0.2959

■ 0.0000, 0.0000,
0.0000

■ 50.7545, 0.2072,
0.2658

■ 50.7545, 0.2072,
0.2658

■ 50.6935, 0.2071,
0.2656

■ 53.3085, 0.2105,
0.2727

■ 56.2087, 0.2155,
0.2796

■ 59.5383, 0.2224,
0.2866

■ 63.3486, 0.2313,
0.2936

■ 67.6827, 0.2420,
0.3004

■ 72.5784, 0.2543,
0.3069

■ 78.0696, 0.2679,
0.3131

■ 84.1873, 0.2824,
0.3189

■ 90.9602, 0.2976,
0.3242

Harmonies

Analogous

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



50.7545, 0.2175, 0.3136



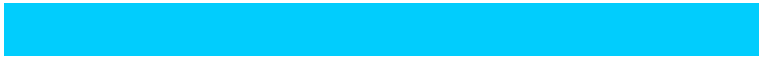
50.7545, 0.2072, 0.2658



50.7545, 0.2211, 0.2406

Triad

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



50.7545, 0.2072, 0.2658



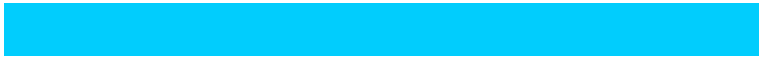
50.7545, 0.3724, 0.2876



50.7545, 0.3619, 0.4367

Complementary

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



50.7545, 0.2072, 0.2658



23.0487, 0.6216, 0.3444

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.



50.7545, 0.4088, 0.4160



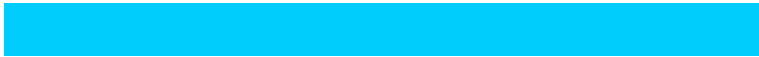
50.7545, 0.2072, 0.2658



50.7545, 0.4175, 0.3303

Square

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



50.7545, 0.2072, 0.2658



50.7545, 0.3123, 0.2548



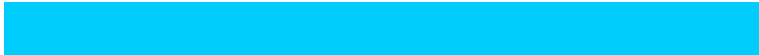
50.7545, 0.4305, 0.3761



50.7545, 0.3043, 0.4227

Rectangle

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



50.7545, 0.2072, 0.2658



50.7545, 0.2431, 0.2364



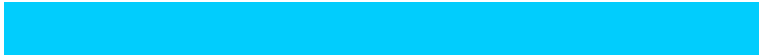
50.7545, 0.4305, 0.3761



50.7545, 0.3795, 0.4330

Sweetspot

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



50.7563, 0.2072, 0.2658



79.3299, 0.2675, 0.3129



70.4530, 0.2958, 0.5847



16.4604, 0.2617, 0.3104



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.



50.7563, 0.2072, 0.2658



51.6044, 0.2071, 0.2656



12.9141, 0.1614, 0.1010



19.8595, 0.2980, 0.3244



27.1741, 0.2074, 0.2667



2.7900, 0.2096, 0.2746

Inverse Universe

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



25.3024, 0.3768, 0.1850



25.7406, 0.3770, 0.1851



50.8003, 0.4901, 0.4489



18.2376, 0.3167, 0.3100



13.4712, 0.3759, 0.1844



1.3262, 0.3685, 0.1803

Previews

White Background



This preview shows how the Yxy color 50.7545, 0.2072, 0.2658 looks on a white background.

Color Contrast Check

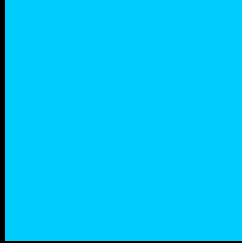
Large Text (above 18pt) WCAG AA × Fail

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 50.7545, 0.2072, 0.2658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

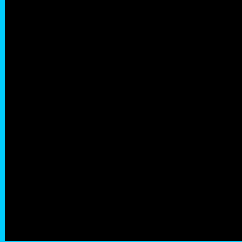
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7545, 0.2072, 0.2658

Background



This preview shows how black text looks on a background with the Yxy color 50.7545, 0.2072, 0.2658.



This preview shows how white text looks on a background with the Yxy color 50.7545, 0.2072, 0.2658.

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

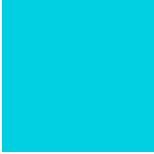
50.7609, 0.2072, 0.2658

Protanopia

49.8696, 0.2673, 0.2653

Deuteranopia

50.0249, 0.2522, 0.2468



Tritanopia

50.5480, 0.2180, 0.3049

Trichromacy



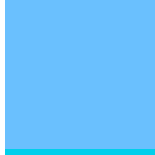
Original Color

50.7609, 0.2072, 0.2658



Protanomaly

47.5498, 0.2298, 0.2628



Deuteranomaly

47.9192, 0.2230, 0.2504



Tritanomaly

50.6238, 0.2140, 0.2904

Monochromacy



Original Color

50.7609, 0.2072, 0.2658



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.3967, 0.2436, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7545, 0.2072, 0.2658 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, 205, 253)` looks like.

```
.text, #text, p{  
    color:rgb(1, 205, 253)  
}
```

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, 205, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 205, 253) }
```

Border

The CSS property to change the border of an element to Yxy 50.7545, 0.2072, 0.2658 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, 205, 253) }
```

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

```
.border{ border-color:rgb(1, 205, 253) }
```

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

Here you see how a box with a 4 pixel rgb(1, 205, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 205, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 205, 253);  
box-shadow:4px 4px 4px 4px rgb(1, 205,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7545, 0.2072, 0.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 205, 253) }
```

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

```
.background{ background-color: rgb(1, 205,  
253) }
```

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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