

Converting Colors

$Y_{xy}(49.3696, 0.1994, 0.2762)$

Have a look what the booklet for
Yxy(49.3696, 0.1994, 0.2762)
contains.

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Color

Yxy(50.7352, 0.2102, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	01CEF5
RGB	1, 206, 245
RGB Percent	0%, 81%, 96%
CMY	0.9976, 0.1922, 0.0393
CMYK	1.00, 0.16, 0.00, 0.04
HSL	190°, 99%, 48%
HSV	190°, 100%, 96%
XYZ	38.5558, 50.7352, 94.1334
YIQ	149.1510, -134.6990, -31.3310

Conversions

Conversions Part 2

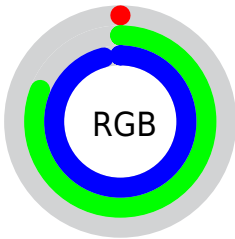
Format	Color
R _Y B	1, 112, 245
Decimal	118517
CIE Lab	76.52, -28.66, -31.01
CIE LCh	77, 42.226, 227.262
Yxy	50.7352, 0.2102, 0.2766
Android (android.graphics.Color)	4278308597 (0xFF01CEF5)
YUV	149.1510, 47.2536, -129.9284
Hunter-Lab	71.2286, -28.0287, -28.4957

Details

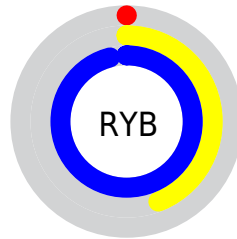
The Yxy color **50.7352, 0.2102, 0.2766** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.9024, 0.6261, 0.3408**, and the grayscale version is **29.9102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **25.8073, 0.2064, 0.2630** is the 20% darker color. If you saturate the color by 10%, you get **50.6851, 0.2101, 0.2765**, and if you desaturate by 10%, it is **52.8466, 0.2131, 0.2823**.

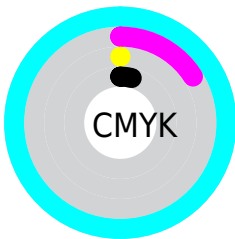
Distribution



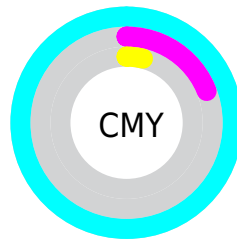
- Red (0%)
- Green (81%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (19%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7352, 0.2102, 0.2766 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 50.7352, 0.2102, 0.2766 by changing the saturation by 10% instead.


 50.7352, 0.2102,
0.2766

 50.7352, 0.2102,
0.2766


 389.5341, 0.2582,
0.3036


 35.9979, 0.1993,
0.2698


 91.2632, 0.2268,
0.2865


 24.4326, 0.1860,
0.2612


 117.8228, 0.2333,
0.2902

 15.6548, 0.1694,
0.2498


 149.0918, 0.2389,
0.2933

 9.2802, 0.1484,
0.2343

 185.4549, 0.2437,
0.2960

 4.9244, 0.1212,
0.2124

 227.2962, 0.2480,
0.2983

 2.2030, 0.0861,
0.1799

 275.0002, 0.2518,

 0.7216, 0.0000,

0.3003

0.1347

328.9514, 0.2551,
0.3020

■ 0.0000, 0.0000,
0.0000

■ 50.7352, 0.2102,
0.2766

■ 50.7352, 0.2102,
0.2766

■ 50.6851, 0.2101,
0.2765

■ 52.8466, 0.2131,
0.2823

■ 55.2595, 0.2177,
0.2880

■ 58.0516, 0.2242,
0.2938

■ 61.2700, 0.2327,
0.2995

■ 64.9542, 0.2430,
0.3051

■ 69.1391, 0.2550,
0.3106

■ 73.8556, 0.2683,
0.3157

■ 79.1322, 0.2826,
0.3205

■ 84.9952, 0.2976,
0.3250

Harmonies

Analogous

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



50.7352, 0.2259, 0.3272



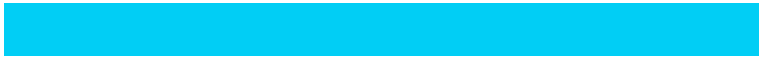
50.7352, 0.2102, 0.2766



50.7352, 0.2184, 0.2467

Triad

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



50.7352, 0.2102, 0.2766



50.7352, 0.3578, 0.2803



50.7352, 0.3726, 0.4314

Complementary

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



50.7352, 0.2102, 0.2766



20.9024, 0.6261, 0.3408

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.



50.7352, 0.4136, 0.4060



50.7352, 0.2102, 0.2766



50.7352, 0.4066, 0.3204

Square

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



50.7352, 0.2102, 0.2766



50.7352, 0.2992, 0.2514



50.7352, 0.4272, 0.3650



50.7352, 0.3177, 0.4261

Rectangle

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



50.7352, 0.2102, 0.2766



50.7352, 0.2366, 0.2392



50.7352, 0.4272, 0.3650



50.7352, 0.3885, 0.4256

Sweetspot

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



50.7370, 0.2102, 0.2766



80.7226, 0.2678, 0.3156



65.4347, 0.2970, 0.5890



16.7968, 0.2621, 0.3134



0.0000, 0.0000, 0.0000



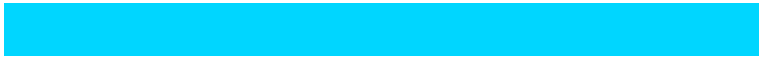
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7370, 0.2102, 0.2766



55.4731, 0.2101, 0.2763



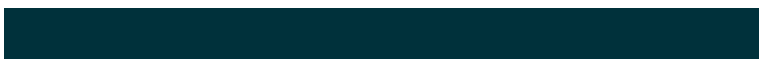
13.2751, 0.1639, 0.1097



18.2811, 0.2980, 0.3251



27.4800, 0.2104, 0.2774



2.5333, 0.2124, 0.2845

Inverse Universe

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



23.8793, 0.3666, 0.1794



26.1312, 0.3669, 0.1795



44.3651, 0.4991, 0.4417



16.7202, 0.3162, 0.3093



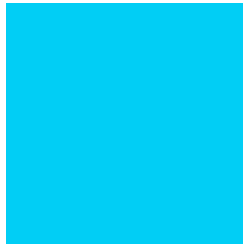
12.8735, 0.3659, 0.1789



1.1434, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 50.7352, 0.2102, 0.2766 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 50.7352, 0.2102, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

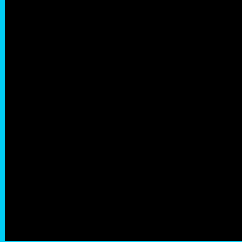
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7352, 0.2102, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 50.7352, 0.2102, 0.2766.



This preview shows how white text looks on a background with the Yxy color 50.7352, 0.2102, 0.2766.

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

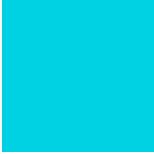
50.7416, 0.2102, 0.2766

Protanopia

49.7582, 0.2744, 0.2744

Deuteranopia

50.2580, 0.2582, 0.2524



Tritanopia

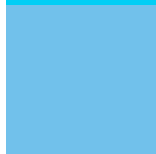
50.5480, 0.2180, 0.3049

Trichromacy



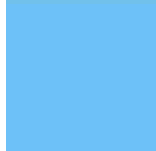
Original Color

50.7416, 0.2102, 0.2766



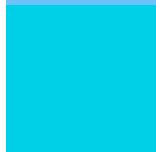
Protanomaly

47.6488, 0.2347, 0.2736



Deuteranomaly

48.1684, 0.2271, 0.2585



Tritanomaly

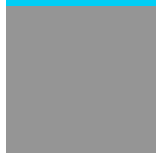
50.4518, 0.2151, 0.2942

Monochromacy



Original Color

50.7416, 0.2102, 0.2766



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.6430, 0.2456, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7352, 0.2102, 0.2766 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, 206, 245)` looks like.

```
.text, #text, p{  
    color:rgb(1, 206, 245)  
}
```

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, 206, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 206, 245) }
```

Border

The CSS property to change the border of an element to Yxy 50.7352, 0.2102, 0.2766 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, 206, 245) }
```

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

```
.border{ border-color:rgb(1, 206, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 206, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 206, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 206, 245);  
box-shadow:4px 4px 4px 4px rgb(1, 206,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7352, 0.2102, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 206, 245) }
```

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

```
.background{ background-color: rgb(1, 206,  
245) }
```

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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