

Converting Colors

$Y_{xy}(47.6036, 0.2076, 0.2674)$

Have a look what the booklet for
Yxy(47.6036, 0.2076, 0.2674)
contains.

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Color

Yxy(47.4394, 0.2074, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	00C7F5
RGB	0, 199, 245
RGB Percent	0%, 78%, 96%
CMY	0.9996, 0.2196, 0.0392
CMYK	1.00, 0.19, 0.00, 0.04
HSL	191°, 100%, 48%
HSV	191°, 100%, 96%
XYZ	36.9052, 47.4394, 93.5976
YIQ	144.7430, -133.3700, -27.8820

Conversions

Conversions Part 2

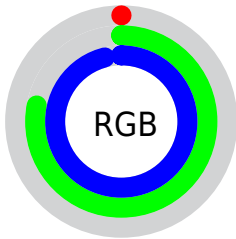
Format	Color
RYB	0, 110, 245
Decimal	51189
CIELab	74.47, -25.19, -34.18
CIELCh	74, 42.459, 233.617
Yxy	47.4394, 0.2074, 0.2666
Android (android.graphics.Color)	4278241269 (0xFF00C7F5)
YUV	144.7430, 49.4267, -126.9396
Hunter-Lab	68.8763, -24.8898, -32.3572

Details

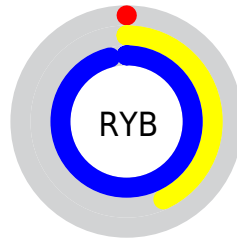
The Yxy color **47.4394, 0.2074, 0.2666** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3757, 0.6221, 0.3442**, and the grayscale version is **28.0571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **23.9249, 0.2033, 0.2519** is the 20% darker color. If you saturate the color by 10%, you get **47.4305, 0.2074, 0.2666**, and if you desaturate by 10%, it is **49.7921, 0.2107, 0.2734**.

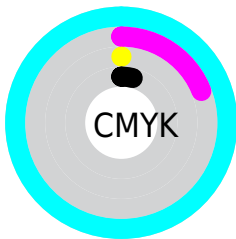
Distribution



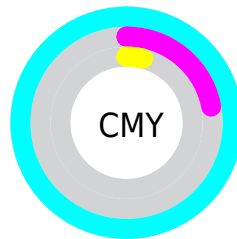
- Red (0%)
- Green (78%)
- Blue (96%)



- Red (0%)
- Yellow (43%)
- Blue (96%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4394, 0.2074, 0.2666 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 47.4394, 0.2074, 0.2666 by changing the saturation by 10% instead.


 47.4394, 0.2074,
0.2666


 47.4394, 0.2074,
0.2666


 376.5657, 0.2571,
0.2985

 33.3832, 0.1961,
0.2586


 86.3691, 0.2247,
0.2782

 22.4201, 0.1822,
0.2485


 112.0114, 0.2314,
0.2826


 14.1659, 0.1649,
0.2353


 142.2845, 0.2372,
0.2863

 8.2362, 0.1429,
0.2174

 177.5728, 0.2422,
0.2895

 4.2464, 0.1146,
0.1924

 218.2606, 0.2466,
0.2922

 1.8123, 0.0784,
0.1563

 264.7325, 0.2505,

 0.4949, 0.0000,

0.2946

0.0978

317.3727, 0.2540,
0.2967

■ 0.0000, 0.0000,
0.0000

■ 47.4394, 0.2074,
0.2666

■ 47.4394, 0.2074,
0.2666

■ 47.4305, 0.2074,
0.2666

■ 49.7921, 0.2107,
0.2734

■ 52.4606, 0.2156,
0.2802

■ 55.5251, 0.2225,
0.2871

■ 59.0330, 0.2313,
0.2940

■ 63.0241, 0.2420,
0.3007

■ 67.5335, 0.2542,
0.3071

■ 72.5925, 0.2677,
0.3132

■ 78.2299, 0.2822,
0.3189

■ 84.4721, 0.2973,
0.3242

Harmonies

Analogous

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



47.4394, 0.2181, 0.3146



47.4394, 0.2074, 0.2666



47.4394, 0.2208, 0.2410

Triad

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



47.4394, 0.2074, 0.2666



47.4394, 0.3713, 0.2870



47.4394, 0.3628, 0.4363

Complementary

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



47.4394, 0.2074, 0.2666



21.3757, 0.6221, 0.3442

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.



47.4394, 0.4092, 0.4153



47.4394, 0.2074, 0.2666



47.4394, 0.4167, 0.3296

Square

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



47.4394, 0.2074, 0.2666



47.4394, 0.3113, 0.2545



47.4394, 0.4303, 0.3752



47.4394, 0.3054, 0.4231

Rectangle

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



47.4394, 0.2074, 0.2666



47.4394, 0.2426, 0.2366



47.4394, 0.4303, 0.3752



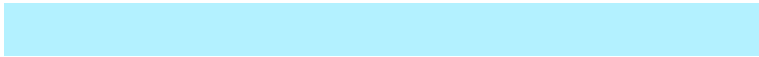
47.4394, 0.3802, 0.4325

Sweetspot

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



47.4411, 0.2074, 0.2666



79.4362, 0.2676, 0.3131



65.4957, 0.2958, 0.5848



16.4860, 0.2617, 0.3106



0.0000, 0.0000, 0.0000



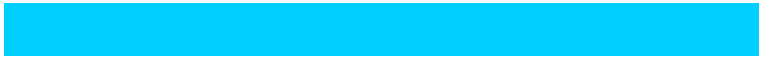
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4411, 0.2074, 0.2666



51.8948, 0.2074, 0.2664



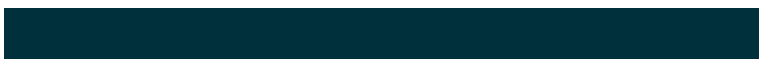
11.9941, 0.1614, 0.1009



18.1976, 0.2980, 0.3244



25.7441, 0.2077, 0.2677



2.3962, 0.2101, 0.2762

Inverse Universe

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



23.5387, 0.3760, 0.1845



25.7700, 0.3762, 0.1846



47.2167, 0.4902, 0.4489



16.7118, 0.3167, 0.3100



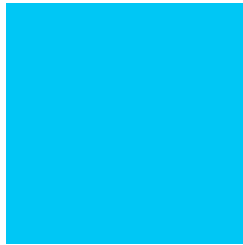
12.6983, 0.3750, 0.1840



1.1295, 0.3670, 0.1795

Previews

White Background



This preview shows how the Yxy color 47.4394, 0.2074, 0.2666 looks on a white background.

Color Contrast Check

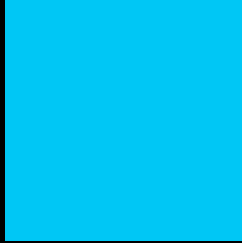
Large Text (above 18pt) WCAG AA × Fail

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 47.4394, 0.2074, 0.2666 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 47.4394, 0.2074, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 47.4394, 0.2074, 0.2666.

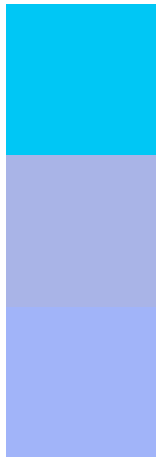


This preview shows how white text looks on a background with the Yxy color 47.4394, 0.2074, 0.2666.

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

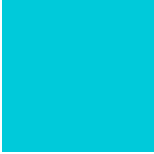
47.4394, 0.2074, 0.2666

Protanopia

46.8471, 0.2675, 0.2660

Deuteranopia

47.0591, 0.2515, 0.2459



Tritanopia

47.3030, 0.2182, 0.3057

Trichromacy



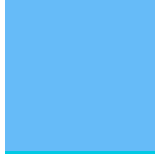
Original Color

47.4394, 0.2074, 0.2666



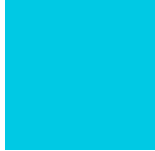
Protanomaly

44.7849, 0.2302, 0.2637



Deuteranomaly

45.1427, 0.2224, 0.2498



Tritanomaly

47.3747, 0.2141, 0.2907

Monochromacy



Original Color

47.4394, 0.2074, 0.2666



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.5218, 0.2442, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4394, 0.2074, 0.2666 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(0, 199, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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(0, 199, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 245) }
```

Border

The CSS property to change the border of an element to Yxy 47.4394, 0.2074, 0.2666 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(0, 199, 245) }
```

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

```
.border{ border-color:rgb(0, 199, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4394, 0.2074, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 245) }
```

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

```
.background{ background-color: rgb(0, 199,  
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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