

Converting Colors

$Y_{xy}(47.2303, 0.2054, 0.2593)$

Have a look what the booklet for
Yxy(47.2303, 0.2054, 0.2593)
contains.

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Color

Yxy(47.2967, 0.2054, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	00C6FA
RGB	0, 198, 250
RGB Percent	0%, 78%, 98%
CMY	0.9996, 0.2235, 0.0197
CMYK	1.00, 0.21, 0.00, 0.02
HSL	192°, 100%, 49%
HSV	192°, 100%, 98%
XYZ	37.4508, 47.2967, 97.5836
YIQ	144.7260, -134.7000, -25.8040

Conversions

Conversions Part 2

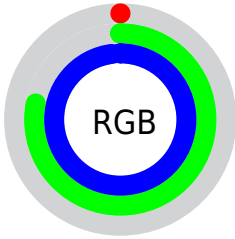
Format	Color
RYB	0, 110, 250
Decimal	50938
CIELab	74.38, -23.01, -37.00
CIELCh	74, 43.570, 238.128
Yxy	47.2967, 0.2054, 0.2594
Android (android.graphics.Color)	4278241018 (0xFF00C6FA)
YUV	144.7260, 51.9001, -126.9247
Hunter-Lab	68.7726, -23.1480, -35.9877

Details

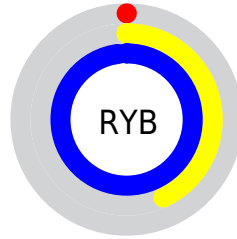
The Yxy color **47.2967, 0.2054, 0.2594** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.7843, 0.6188, 0.3468**, and the grayscale version is **28.0434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **23.7968, 0.2012, 0.2443** is the 20% darker color. If you saturate the color by 10%, you get **47.2868, 0.2054, 0.2594**, and if you desaturate by 10%, it is **49.9237, 0.2089, 0.2670**.

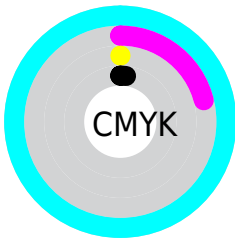
Distribution



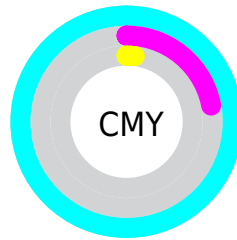
- Red (0%)
- Green (78%)
- Blue (98%)



- Red (0%)
- Yellow (43%)
- Blue (98%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (22%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2967, 0.2054, 0.2594 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 47.2967, 0.2054, 0.2594 by changing the saturation by 10% instead.


 47.2967, 0.2054,
0.2594

 47.2967, 0.2054,
0.2594


 375.9976, 0.2559,
0.2946


 33.2703, 0.1939,
0.2508


 86.1563, 0.2229,
0.2721

 22.3336, 0.1799,
0.2398


 111.7583, 0.2298,
0.2770

 14.1022, 0.1625,
0.2257

 141.9876, 0.2356,
0.2810

 8.1918, 0.1404,
0.2068

 177.2286, 0.2407,
0.2845

 4.2179, 0.1123,
0.1808

 217.8657, 0.2452,
0.2876

 1.7962, 0.0767,
0.1440

 264.2833, 0.2492,

 0.4848, 0.0000,

0.2902

0.0867

316.8658, 0.2527,
0.2926

■ 0.0000, 0.0000,
0.0000

■ 47.2967, 0.2054,
0.2594

■ 47.2967, 0.2054,
0.2594

■ 47.2868, 0.2054,
0.2594

■ 49.9237, 0.2089,
0.2670

■ 52.8969, 0.2141,
0.2747

■ 56.2998, 0.2212,
0.2824

■ 60.1825, 0.2304,
0.2900

■ 64.5872, 0.2413,
0.2975

■ 69.5509, 0.2538,
0.3047

■ 75.1066, 0.2675,
0.3115

■ 81.2849, 0.2821,
0.3178

■ 88.1136, 0.2973,
0.3237

Harmonies

Analogous

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



47.2967, 0.2126, 0.3054



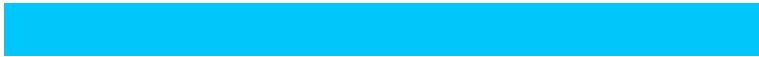
47.2967, 0.2054, 0.2594



47.2967, 0.2227, 0.2369

Triad

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



47.2967, 0.2054, 0.2594



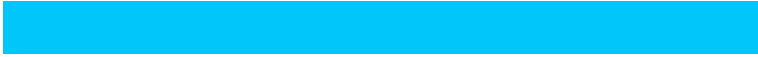
47.2967, 0.3814, 0.2920



47.2967, 0.3553, 0.4398

Complementary

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



47.2967, 0.2054, 0.2594



22.7843, 0.6188, 0.3468

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.



47.2967, 0.4058, 0.4223



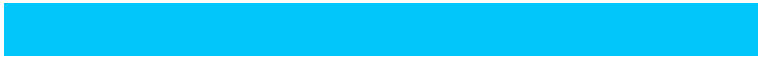
47.2967, 0.2054, 0.2594



47.2967, 0.4240, 0.3364

Square

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



47.2967, 0.2054, 0.2594



47.2967, 0.3205, 0.2568



47.2967, 0.4323, 0.3829



47.2967, 0.2962, 0.4204

Rectangle

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



47.2967, 0.2054, 0.2594



47.2967, 0.2472, 0.2347



47.2967, 0.4323, 0.3829



47.2967, 0.3739, 0.4375

Sweetspot

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



47.2983, 0.2054, 0.2594



78.5301, 0.2674, 0.3114



68.5930, 0.2951, 0.5823



16.2674, 0.2614, 0.3086



0.0000, 0.0000, 0.0000



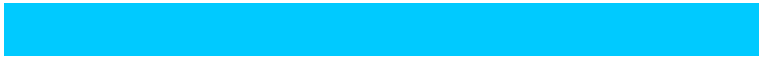
21.4041, 0.3127, 0.3290

Same Dimension

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



47.2983, 0.2054, 0.2594



49.4458, 0.2054, 0.2593



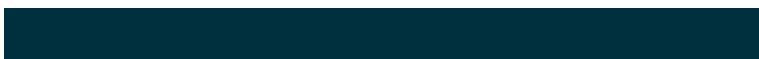
11.9441, 0.1602, 0.0968



18.9596, 0.2980, 0.3239



25.3006, 0.2057, 0.2606



2.4918, 0.2083, 0.2697

Inverse Universe

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



24.4015, 0.3830, 0.1884



25.5227, 0.3831, 0.1884



50.9901, 0.4858, 0.4524



17.4591, 0.3170, 0.3104



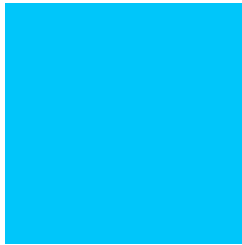
12.9650, 0.3818, 0.1877



1.2158, 0.3731, 0.1829

Previews

White Background



This preview shows how the Yxy color 47.2967, 0.2054, 0.2594 looks on a white background.

Color Contrast Check

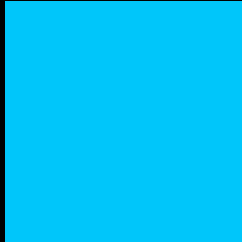
Large Text (above 18pt) WCAG AA × Fail

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 47.2967, 0.2054, 0.2594 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 47.2967, 0.2054, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 47.2967, 0.2054, 0.2594.

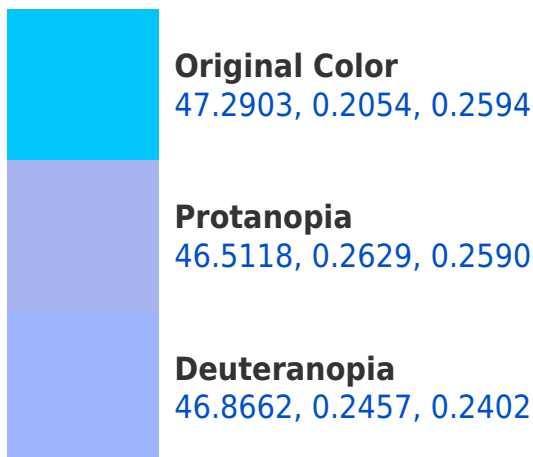


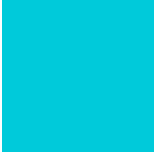
This preview shows how white text looks on a background with the Yxy color 47.2967, 0.2054, 0.2594.

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





Tritanopia

47.3030, 0.2182, 0.3057

Trichromacy



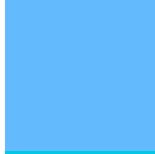
Original Color

47.2903, 0.2054, 0.2594



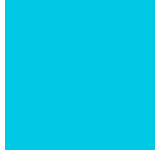
Protanomaly

44.5329, 0.2268, 0.2564



Deuteranomaly

45.2851, 0.2192, 0.2442



Tritanomaly

47.4865, 0.2134, 0.2881

Monochromacy



Original Color

47.2903, 0.2054, 0.2594



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.2451, 0.2427, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2967, 0.2054, 0.2594 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, 198, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 250)  
}
```

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, 198, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 250) }
```

Border

The CSS property to change the border of an element to Yxy 47.2967, 0.2054, 0.2594 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, 198, 250) }
```

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

```
.border{ border-color:rgb(0, 198, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2967, 0.2054, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 250) }
```

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

```
.background{ background-color: rgb(0, 198,  
250) }
```

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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