

Converting Colors

$Y_{xy}(46.6089, 0.2020, 0.2569)$

Have a look what the booklet for
Yxy(46.6089, 0.2020, 0.2569)
contains.

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Color

Yxy(46.8975, 0.2047, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	01C5FB
RGB	1, 197, 251
RGB Percent	0%, 77%, 98%
CMY	0.9976, 0.2275, 0.0157
CMYK	1.00, 0.22, 0.00, 0.02
HSL	193°, 100%, 49%
HSV	193°, 100%, 98%
XYZ	37.3829, 46.8975, 98.3423
YIQ	144.5520, -134.1500, -24.7580

Conversions

Conversions Part 2

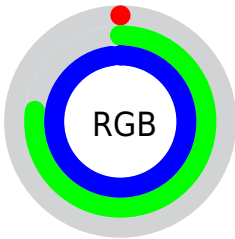
Format	Color
R _Y B	1, 111, 251
Decimal	116219
CIE Lab	74.12, -22.13, -37.94
CIE LCh	74, 43.921, 239.747
Yxy	46.8975, 0.2047, 0.2568
Android (android.graphics.Color)	4278306299 (0xFF01C5FB)
YUV	144.5520, 52.4789, -125.8951
Hunter-Lab	68.4817, -22.4034, -37.2054

Details

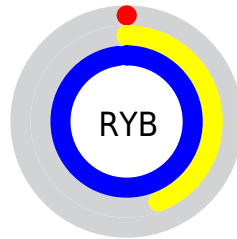
The Yxy color **46.8975, 0.2047, 0.2568** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **23.2048, 0.6170, 0.3481**, and the grayscale version is **27.8981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6143, 0.2421, 0.3276**, and **23.5400, 0.2003, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **46.8352, 0.2046, 0.2566**, and if you desaturate by 10%, it is **49.6135, 0.2083, 0.2647**.

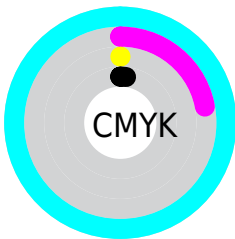
Distribution



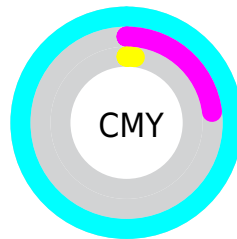
- Red (0%)
- Green (77%)
- Blue (98%)



- Red (0%)
- Yellow (44%)
- Blue (98%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (23%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8975, 0.2047, 0.2568 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 46.8975, 0.2047, 0.2568 by changing the saturation by 10% instead.


 46.8975, 0.2047,
0.2568


 46.8975, 0.2047,
0.2568


 374.4052, 0.2556,
0.2932

 32.9546, 0.1932,
0.2479


 85.5606, 0.2223,
0.2700

 22.0917, 0.1791,
0.2366


 111.0496, 0.2292,
0.2749

 13.9243, 0.1615,
0.2221


 141.1562, 0.2351,
0.2792

 8.0680, 0.1394,
0.2028

 176.2646, 0.2403,
0.2828

 4.1385, 0.1111,
0.1763

 216.7593, 0.2448,
0.2859

 1.7513, 0.0755,
0.1392

 263.0247, 0.2488,

 0.4566, 0.0000,

0.2887

0.0805

315.4453, 0.2524,
0.2911

■ 0.0000, 0.0000,
0.0000

■ 46.8975, 0.2047,
0.2568

■ 46.8975, 0.2047,
0.2568

■ 46.8352, 0.2046,
0.2566

■ 49.6135, 0.2083,
0.2647

■ 52.6884, 0.2136,
0.2727

■ 56.2041, 0.2209,
0.2807

■ 60.2112, 0.2302,
0.2887

■ 64.7524, 0.2413,
0.2964

■ 69.8650, 0.2539,
0.3039

■ 75.5824, 0.2677,
0.3110

■ 81.9353, 0.2824,
0.3175

■ 88.9522, 0.2976,
0.3236

Harmonies

Analogous

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



46.8975, 0.2105, 0.3020



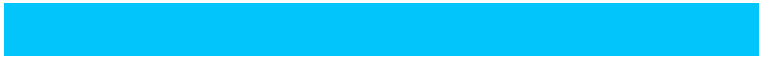
46.8975, 0.2047, 0.2568



46.8975, 0.2235, 0.2355

Triad

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



46.8975, 0.2047, 0.2568



46.8975, 0.3851, 0.2938



46.8975, 0.3526, 0.4411

Complementary

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



46.8975, 0.2047, 0.2568



23.2048, 0.6170, 0.3481

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.



46.8975, 0.4044, 0.4248



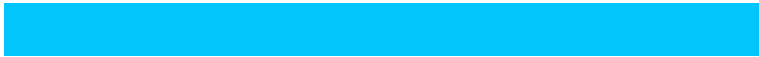
46.8975, 0.2047, 0.2568



46.8975, 0.4266, 0.3389

Square

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



46.8975, 0.2047, 0.2568



46.8975, 0.3239, 0.2577



46.8975, 0.4329, 0.3857



46.8975, 0.2928, 0.4193

Rectangle

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



46.8975, 0.2047, 0.2568



46.8975, 0.2489, 0.2340



46.8975, 0.4329, 0.3857



46.8975, 0.3715, 0.4393

Sweetspot

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



46.8991, 0.2047, 0.2568



78.1859, 0.2673, 0.3108



69.2305, 0.2951, 0.5821



16.1844, 0.2613, 0.3078



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.



46.8991, 0.2047, 0.2568



48.5314, 0.2046, 0.2565



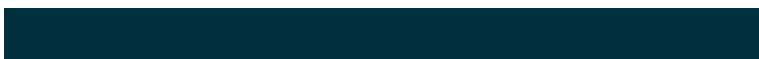
12.0999, 0.1604, 0.0971



18.9359, 0.2980, 0.3238



24.8423, 0.2050, 0.2579



2.4531, 0.2076, 0.2674

Inverse Universe

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



24.5523, 0.3855, 0.1898



25.4304, 0.3858, 0.1899



51.5127, 0.4856, 0.4525



17.4567, 0.3171, 0.3106



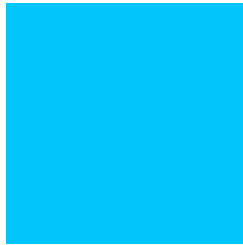
12.9187, 0.3844, 0.1891



1.2119, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 46.8975, 0.2047, 0.2568 looks on a white background.

Color Contrast Check

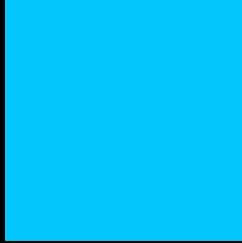
Large Text (above 18pt) WCAG AA × Fail

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 46.8975, 0.2047, 0.2568 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 46.8975, 0.2047, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 46.8975, 0.2047, 0.2568.

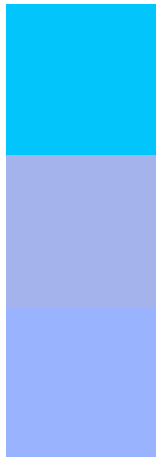


This preview shows how white text looks on a background with the Yxy color 46.8975, 0.2047, 0.2568.

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

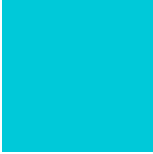
46.9040, 0.2047, 0.2568

Protanopia

46.3540, 0.2609, 0.2577

Deuteranopia

46.3302, 0.2437, 0.2377



Tritanopia

46.7830, 0.2182, 0.3056

Trichromacy



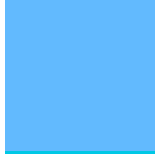
Original Color

46.9040, 0.2047, 0.2568



Protanomaly

44.5319, 0.2259, 0.2552



Deuteranomaly

44.8702, 0.2181, 0.2417



Tritanomaly

46.9657, 0.2133, 0.2879

Monochromacy



Original Color

46.9040, 0.2047, 0.2568



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.8886, 0.2423, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8975, 0.2047, 0.2568 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, 197, 251)` looks like.

```
.text, #text, p{  
    color:rgb(1, 197, 251)  
}
```

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, 197, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 197, 251) }
```

Border

The CSS property to change the border of an element to Yxy 46.8975, 0.2047, 0.2568 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, 197, 251) }
```

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

```
.border{ border-color:rgb(1, 197, 251) }
```

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

Here you see how a box with a 4 pixel rgb(1, 197, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 197, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 197, 251);  
box-shadow:4px 4px 4px 4px rgb(1, 197,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8975, 0.2047, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 197, 251) }
```

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

```
.background{ background-color: rgb(1, 197,  
251) }
```

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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