

Converting Colors

$Y_{xy}(42.8535, 0.1752, 0.2587)$

Have a look what the booklet for
Yxy(42.8535, 0.1752, 0.2587)
contains.

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Color

Yxy(47.0420, 0.2067, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	01C6F6
RGB	1, 198, 246
RGB Percent	0%, 78%, 96%
CMY	0.9976, 0.2235, 0.0353
CMYK	1.00, 0.20, 0.00, 0.04
HSL	192°, 100%, 48%
HSV	192°, 100%, 96%
XYZ	36.8317, 47.0420, 94.3156
YIQ	144.5690, -132.8200, -26.8360

Conversions

Conversions Part 2

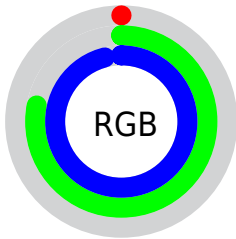
Format	Color
R _Y B	1, 110, 246
Decimal	116470
CIE Lab	74.22, -24.34, -35.10
CIE LCh	74, 42.715, 235.268
Yxy	47.0420, 0.2067, 0.2640
Android (android.graphics.Color)	4278306550 (0xFF01C6F6)
YUV	144.5690, 50.0055, -125.9100
Hunter-Lab	68.5872, -24.1719, -33.5199

Details

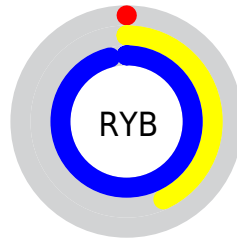
The Yxy color **47.0420, 0.2067, 0.2640** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.7541, 0.6204, 0.3453**, and the grayscale version is **27.9135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **23.6206, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **46.9861, 0.2066, 0.2638**, and if you desaturate by 10%, it is **49.4833, 0.2101, 0.2711**.

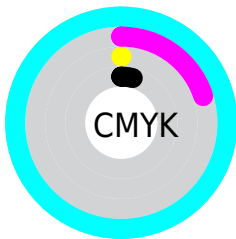
Distribution



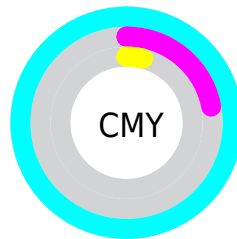
- Red (0%)
- Green (78%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0420, 0.2067, 0.2640 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 47.0420, 0.2067, 0.2640 by changing the saturation by 10% instead.


 47.0420, 0.2067,
0.2640

 47.0420, 0.2067,
0.2640


374.9822, 0.2567,
0.2972

 33.0689, 0.1953,
0.2558


 85.7763, 0.2241,
0.2761


 22.1792, 0.1813,
0.2453


 111.3063, 0.2309,
0.2806


 13.9886, 0.1639,
0.2317


 141.4573, 0.2367,
0.2844

 8.1128, 0.1418,
0.2133

 176.6138, 0.2417,
0.2877

 4.1672, 0.1134,
0.1878

 217.1601, 0.2462,
0.2906

 1.7675, 0.0772,
0.1511

263.4807, 0.2501,

 0.4668, 0.0000,

0.2930

0.0910

315.9599, 0.2536,
0.2952

■ 0.0000, 0.0000,
0.0000

■ 47.0420, 0.2067,
0.2640

■ 47.0420, 0.2067,
0.2640

■ 46.9861, 0.2066,
0.2638

■ 49.4833, 0.2101,
0.2711

■ 52.2518, 0.2151,
0.2783

■ 55.4263, 0.2222,
0.2855

■ 59.0547, 0.2312,
0.2926

■ 63.1771, 0.2419,
0.2996

■ 67.8290, 0.2543,
0.3063

■ 73.0420, 0.2679,
0.3127

■ 78.8450, 0.2825,
0.3186

■ 85.2649, 0.2976,
0.3241

Harmonies

Analogous

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



47.0420, 0.2161, 0.3113



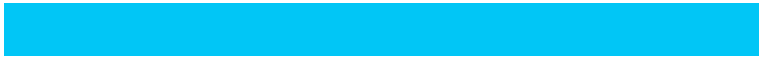
47.0420, 0.2067, 0.2640



47.0420, 0.2215, 0.2395

Triad

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



47.0420, 0.2067, 0.2640



47.0420, 0.3749, 0.2888



47.0420, 0.3601, 0.4376

Complementary

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



47.0420, 0.2067, 0.2640



21.7541, 0.6204, 0.3453

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.



47.0420, 0.4080, 0.4178



47.0420, 0.2067, 0.2640



47.0420, 0.4193, 0.3320

Square

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



47.0420, 0.2067, 0.2640



47.0420, 0.3146, 0.2554



47.0420, 0.4310, 0.3780



47.0420, 0.3020, 0.4221

Rectangle

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



47.0420, 0.2067, 0.2640



47.0420, 0.2442, 0.2359



47.0420, 0.4310, 0.3780



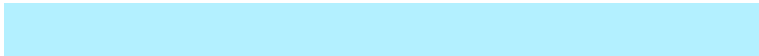
47.0420, 0.3779, 0.4342

Sweetspot

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



47.0436, 0.2067, 0.2640



79.0875, 0.2675, 0.3125



66.1011, 0.2957, 0.5845



16.4018, 0.2616, 0.3098



0.0000, 0.0000, 0.0000



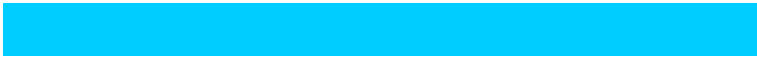
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0436, 0.2067, 0.2640



50.9451, 0.2066, 0.2637



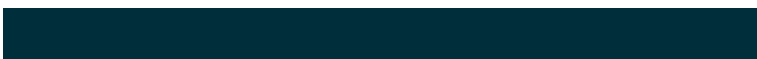
12.1492, 0.1615, 0.1012



18.1748, 0.2980, 0.3243



25.2830, 0.2070, 0.2650



2.3596, 0.2094, 0.2739

Inverse Universe

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



23.6805, 0.3785, 0.1860



25.6741, 0.3788, 0.1861



47.7007, 0.4900, 0.4490



16.7095, 0.3168, 0.3102



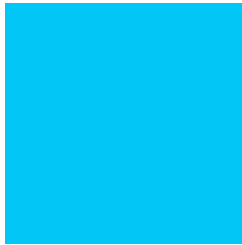
12.6517, 0.3776, 0.1854



1.1258, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 47.0420, 0.2067, 0.2640 looks on a white background.

Color Contrast Check

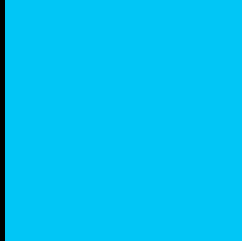
Large Text (above 18pt) WCAG AA × Fail

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 47.0420, 0.2067, 0.2640 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 47.0420, 0.2067, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 47.0420, 0.2067, 0.2640.



This preview shows how white text looks on a background with the Yxy color 47.0420, 0.2067, 0.2640.

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

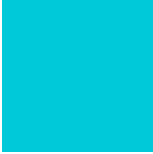
47.0484, 0.2067, 0.2640

Protanopia

46.3912, 0.2660, 0.2635

Deuteranopia

46.5133, 0.2495, 0.2434



Tritanopia

46.7830, 0.2182, 0.3056

Trichromacy



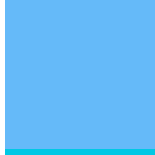
Original Color

47.0484, 0.2067, 0.2640



Protanomaly

44.3580, 0.2290, 0.2611



Deuteranomaly

44.7241, 0.2213, 0.2472



Tritanomaly

46.9100, 0.2137, 0.2892

Monochromacy



Original Color

47.0484, 0.2067, 0.2640



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.1624, 0.2439, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0420, 0.2067, 0.2640 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, 198, 246)` looks like.

```
.text, #text, p{  
    color:rgb(1, 198, 246)  
}
```

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, 198, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 198, 246) }
```

Border

The CSS property to change the border of an element to Yxy 47.0420, 0.2067, 0.2640 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, 198, 246) }
```

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

```
.border{ border-color:rgb(1, 198, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 198, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 198, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 198, 246);  
box-shadow:4px 4px 4px 4px rgb(1, 198,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0420, 0.2067, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 198, 246) }
```

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

```
.background{ background-color: rgb(1, 198,  
246) }
```

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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