

Converting Colors

$Yxy(46.9845, 0.2042, 0.2551)$

Have a look what the booklet for
Yxy(46.9845, 0.2042, 0.2551)
contains.

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Color

Yxy(46.9608, 0.2044, 0.2557)

Conversions

Conversions Part 1

Format	Color
Hex	01C5FC
RGB	1, 197, 252
RGB Percent	0%, 77%, 99%
CMY	0.9971, 0.2275, 0.0119
CMYK	1.00, 0.22, 0.00, 0.01
HSL	193°, 99%, 50%
HSV	193°, 100%, 99%
XYZ	37.5393, 46.9608, 99.1558
YIQ	144.6660, -134.4710, -24.4470

Conversions

Conversions Part 2

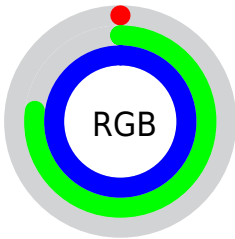
Format	Color
R _Y B	1, 111, 252
Decimal	116220
CIE Lab	74.16, -21.79, -38.40
CIE LCh	74, 44.154, 240.424
Yxy	46.9608, 0.2044, 0.2557
Android (android.graphics.Color)	4278306300 (0xFF01C5FC)
YUV	144.6660, 52.9157, -125.9951
Hunter-Lab	68.5280, -22.1425, -37.8195

Details

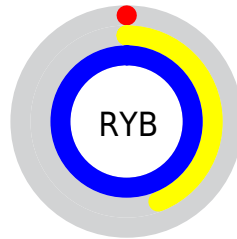
The Yxy color **46.9608, 0.2044, 0.2557** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **23.4923, 0.6163, 0.3486**, and the grayscale version is **27.9604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6810, 0.2424, 0.3276**, and **23.5851, 0.1999, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **46.8840, 0.2043, 0.2555**, and if you desaturate by 10%, it is **49.7263, 0.2081, 0.2637**.

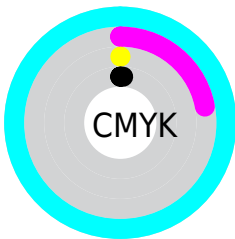
Distribution



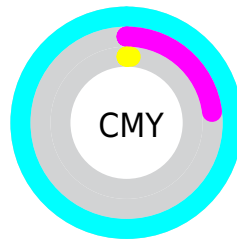
- Red (0%)
- Green (77%)
- Blue (99%)



- Red (0%)
- Yellow (44%)
- Blue (99%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (23%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9608, 0.2044, 0.2557 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 46.9608, 0.2044, 0.2557 by changing the saturation by 10% instead.


 46.9608, 0.2044,
0.2557


 46.9608, 0.2044,
0.2557


 374.6580, 0.2554,
0.2926

 33.0047, 0.1928,
0.2467


 85.6551, 0.2221,
0.2690


 22.1300, 0.1787,
0.2353


 111.1621, 0.2290,
0.2741

 13.9525, 0.1612,
0.2207


 141.2881, 0.2349,
0.2783

 8.0876, 0.1391,
0.2012


 176.4176, 0.2401,
0.2820

 4.1511, 0.1109,
0.1747

 216.9349, 0.2446,
0.2852

 1.7584, 0.0754,
0.1376

 263.2245, 0.2486,

 0.4611, 0.0000,

0.2880

0.0796

315.6708, 0.2522,
0.2904

■ 0.0000, 0.0000,
0.0000

■ 46.9608, 0.2044,
0.2557

■ 46.9608, 0.2044,
0.2557

■ 46.8840, 0.2043,
0.2555

■ 49.7263, 0.2081,
0.2637

■ 52.8573, 0.2134,
0.2718

■ 56.4361, 0.2208,
0.2800

■ 60.5136, 0.2301,
0.2881

■ 65.1329, 0.2412,
0.2960

■ 70.3317, 0.2539,
0.3036

■ 76.1439, 0.2677,
0.3107

■ 82.6004, 0.2824,
0.3174

■ 89.7298, 0.2977,
0.3236

Harmonies

Analogous

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



46.9608, 0.2097, 0.3006



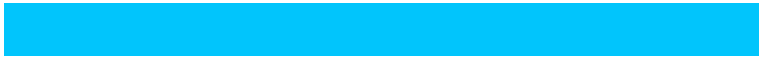
46.9608, 0.2044, 0.2557



46.9608, 0.2238, 0.2349

Triad

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



46.9608, 0.2044, 0.2557



46.9608, 0.3867, 0.2946



46.9608, 0.3514, 0.4416

Complementary

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



46.9608, 0.2044, 0.2557



23.4923, 0.6163, 0.3486

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.



46.9608, 0.4038, 0.4259



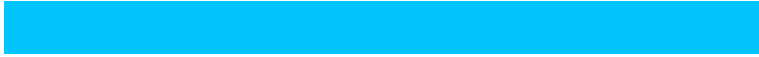
46.9608, 0.2044, 0.2557



46.9608, 0.4277, 0.3400

Square

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



46.9608, 0.2044, 0.2557



46.9608, 0.3254, 0.2581



46.9608, 0.4332, 0.3869



46.9608, 0.2913, 0.4188

Rectangle

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



46.9608, 0.2044, 0.2557



46.9608, 0.2496, 0.2337



46.9608, 0.4332, 0.3869



46.9608, 0.3705, 0.4401

Sweetspot

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



46.9624, 0.2044, 0.2557



78.0451, 0.2673, 0.3105



69.8846, 0.2943, 0.5793



16.1505, 0.2613, 0.3075



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.



46.9624, 0.2044, 0.2557



48.1597, 0.2043, 0.2554



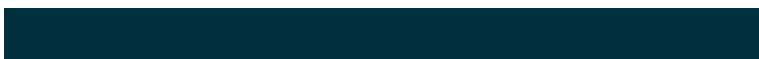
11.6559, 0.1593, 0.0934



18.9262, 0.2980, 0.3237



24.6560, 0.2047, 0.2568



2.4373, 0.2074, 0.2664

Inverse Universe

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



24.7371, 0.3866, 0.1904



25.3929, 0.3869, 0.1905



53.6535, 0.4812, 0.4560



17.4557, 0.3172, 0.3107



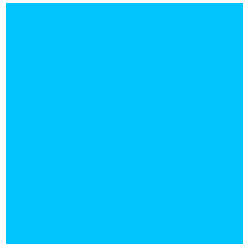
12.8999, 0.3855, 0.1897



1.2103, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 46.9608, 0.2044, 0.2557 looks on a white background.

Color Contrast Check

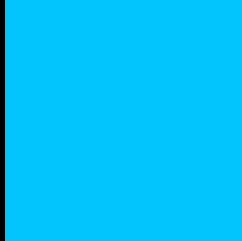
Large Text (above 18pt) WCAG AA × Fail

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 46.9608, 0.2044, 0.2557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

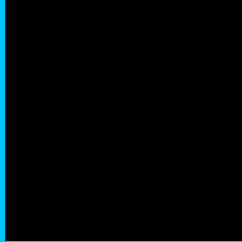
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9608, 0.2044, 0.2557

Background



This preview shows how black text looks on a background with the Yxy color 46.9608, 0.2044, 0.2557.



This preview shows how white text looks on a background with the Yxy color 46.9608, 0.2044, 0.2557.

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

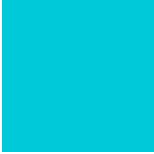
46.9672, 0.2044, 0.2557

Protanopia

46.4126, 0.2603, 0.2566

Deuteranopia

46.3302, 0.2437, 0.2377



Tritanopia

46.7830, 0.2182, 0.3056

Trichromacy



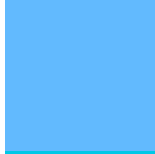
Original Color

46.9672, 0.2044, 0.2557



Protanomaly

44.5921, 0.2255, 0.2541



Deuteranomaly

44.8702, 0.2181, 0.2417



Tritanomaly

47.0217, 0.2130, 0.2866

Monochromacy



Original Color

46.9672, 0.2044, 0.2557



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.3388, 0.2426, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9608, 0.2044, 0.2557 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(1, 197, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 197, 252) }
```

Border

The CSS property to change the border of an element to Yxy 46.9608, 0.2044, 0.2557 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, 252) }
```

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

```
.border{ border-color:rgb(1, 197, 252) }
```

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, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 197, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 197, 252);  
box-shadow:4px 4px 4px 4px rgb(1, 197,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9608, 0.2044, 0.2557 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, 252) }
```

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

```
.background{ background-color: rgb(1, 197,  
252) }
```

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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