

Converting Colors

$Y_{xy}(46.3558, 0.2065, 0.2635)$

Have a look what the booklet for
Yxy(46.3558, 0.2065, 0.2635)
contains.

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Color

Yxy(46.5251, 0.2066, 0.2637)

Conversions

Conversions Part 1

Format	Color
Hex	00C5F5
RGB	0, 197, 245
RGB Percent	0%, 77%, 96%
CMY	0.9991, 0.2275, 0.0392
CMYK	1.00, 0.20, 0.00, 0.04
HSL	192°, 100%, 48%
HSV	192°, 100%, 96%
XYZ	36.4508, 46.5251, 93.4560
YIQ	143.5690, -132.8200, -26.8360

Conversions

Conversions Part 2

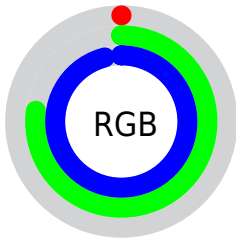
Format	Color
RYB	0, 109, 245
Decimal	50677
CIELab	73.88, -24.17, -35.10
CIELCh	74, 42.612, 235.447
Yxy	46.5251, 0.2066, 0.2637
Android (android.graphics.Color)	4278240757 (0xFF00C5F5)
YUV	143.5690, 50.0055, -125.9100
Hunter-Lab	68.2093, -23.9765, -33.4888

Details

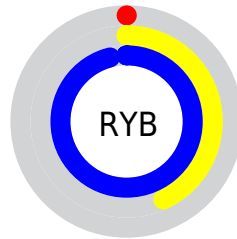
The Yxy color **46.5251, 0.2066, 0.2637** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.5499, 0.6206, 0.3453**, and the grayscale version is **27.5729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5484, 0.2418, 0.3276**, and **23.3190, 0.2023, 0.2482** is the 20% darker color. If you saturate the color by 10%, you get **46.5046, 0.2066, 0.2636**, and if you desaturate by 10%, it is **48.9461, 0.2100, 0.2708**.

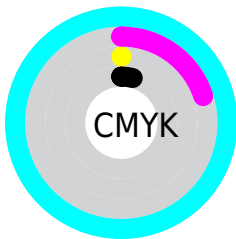
Distribution



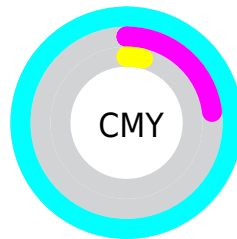
- Red (0%)
- Green (77%)
- Blue (96%)



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



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





- Cyan (100%)
- Magenta (23%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5251, 0.2066, 0.2637 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 46.5251, 0.2066, 0.2637 by changing the saturation by 10% instead.

 46.5251, 0.2066,
0.2637

 46.5251, 0.2066,
0.2637

 372.9157, 0.2568,
0.2971

 32.6604, 0.1951,
0.2554


 85.0043, 0.2241,
0.2758


 21.8664, 0.1811,
0.2449


 110.3876, 0.2308,
0.2804


 13.7588, 0.1636,
0.2311

 140.3792, 0.2367,
0.2843

 7.9531, 0.1413,
0.2126

 175.3635, 0.2418,
0.2876

 4.0649, 0.1127,
0.1868

 215.7249, 0.2462,
0.2904

 1.7100, 0.0763,
0.1496

 261.8478, 0.2501,

 0.4301, 0.0000,

0.2929

0.0864

314.1166, 0.2536,
0.2951

■ 0.0000, 0.0000,
0.0000

■ 46.5251, 0.2066,
0.2637

■ 46.5251, 0.2066,
0.2637

■ 46.5046, 0.2066,
0.2636

■ 48.9461, 0.2100,
0.2708

■ 51.6895, 0.2150,
0.2780

■ 54.8348, 0.2220,
0.2852

■ 58.4295, 0.2310,
0.2924

■ 62.5135, 0.2418,
0.2994

■ 67.1220, 0.2541,
0.3061

■ 72.2863, 0.2677,
0.3125

■ 78.0353, 0.2822,
0.3185

■ 84.3954, 0.2974,
0.3240

Harmonies

Analogous

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



46.5251, 0.2159, 0.3109



46.5251, 0.2066, 0.2637



46.5251, 0.2216, 0.2394

Triad

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



46.5251, 0.2066, 0.2637



46.5251, 0.3753, 0.2890



46.5251, 0.3598, 0.4377

Complementary

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



46.5251, 0.2066, 0.2637



21.5499, 0.6206, 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.



46.5251, 0.4078, 0.4180



46.5251, 0.2066, 0.2637



46.5251, 0.4196, 0.3323

Square

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



46.5251, 0.2066, 0.2637



46.5251, 0.3149, 0.2554



46.5251, 0.4311, 0.3783



46.5251, 0.3017, 0.4220

Rectangle

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



46.5251, 0.2066, 0.2637



46.5251, 0.2444, 0.2358



46.5251, 0.4311, 0.3783



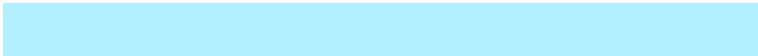
46.5251, 0.3777, 0.4345

Sweetspot

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



46.5267, 0.2066, 0.2637



79.0608, 0.2675, 0.3124



65.5054, 0.2958, 0.5847



16.3954, 0.2616, 0.3098



0.0000, 0.0000, 0.0000



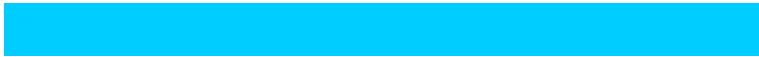
21.4041, 0.3127, 0.3290

Same Dimension

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



46.5267, 0.2066, 0.2637



50.8729, 0.2065, 0.2635



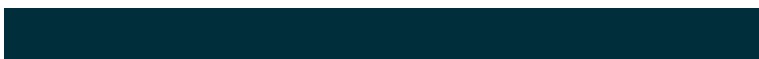
12.0078, 0.1614, 0.1010



18.1731, 0.2980, 0.3242



25.2480, 0.2069, 0.2648



2.3568, 0.2094, 0.2737

Inverse Universe

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



23.4513, 0.3788, 0.1861



25.6668, 0.3790, 0.1862



47.2366, 0.4902, 0.4490



16.7093, 0.3168, 0.3102



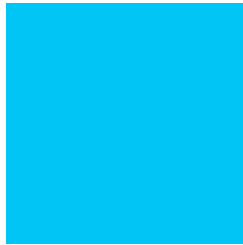
12.6482, 0.3778, 0.1855



1.1256, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 46.5251, 0.2066, 0.2637 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 46.5251, 0.2066, 0.2637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

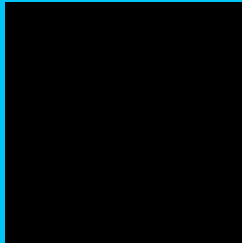
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5251, 0.2066, 0.2637

Background



This preview shows how black text looks on a background with the Yxy color 46.5251, 0.2066, 0.2637.



This preview shows how white text looks on a background with the Yxy color 46.5251, 0.2066, 0.2637.

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

46.5251, 0.2066, 0.2637

Protanopia

45.8258, 0.2658, 0.2632

Deuteranopia

45.9494, 0.2492, 0.2430



Tritanopia

46.2664, 0.2182, 0.3055

Trichromacy



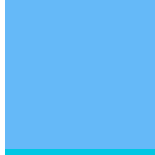
Original Color

46.5251, 0.2066, 0.2637



Protanomaly

43.8182, 0.2287, 0.2608



Deuteranomaly

44.2419, 0.2214, 0.2469



Tritanomaly

46.3929, 0.2136, 0.2890

Monochromacy



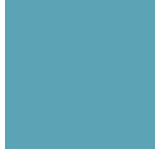
Original Color

46.5251, 0.2066, 0.2637



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.8059, 0.2435, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5251, 0.2066, 0.2637 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, 197, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 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, 197, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 245) }
```

Border

The CSS property to change the border of an element to Yxy 46.5251, 0.2066, 0.2637 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, 197, 245) }
```

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

```
.border{ border-color:rgb(0, 197, 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, 197, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5251, 0.2066, 0.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 245) }
```

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

```
.background{ background-color: rgb(0, 197,  
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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