

Converting Colors

$Y_{xy}(46.5972, 0.2059, 0.2692)$

Have a look what the booklet for
Yxy(46.5972, 0.2059, 0.2692)
contains.

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Color

Yxy(46.7990, 0.2080, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	00C6F2
RGB	0, 198, 242
RGB Percent	0%, 78%, 95%
CMY	0.9982, 0.2236, 0.0509
CMYK	1.00, 0.18, 0.00, 0.05
HSL	191°, 100%, 48%
HSV	191°, 100%, 95%
XYZ	36.2270, 46.7990, 91.1422
YIQ	143.8140, -132.1320, -28.2920

Conversions

Conversions Part 2

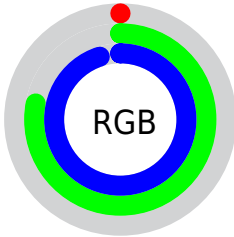
Format	Color
RYB	0, 109, 242
Decimal	50930
CIELab	74.06, -25.67, -33.21
CIELCh	74, 41.976, 232.296
Yxy	46.7990, 0.2080, 0.2687
Android (android.graphics.Color)	4278241010 (0xFF00C6F2)
YUV	143.8140, 48.4057, -126.1249
Hunter-Lab	68.4098, -25.1909, -31.1051

Details

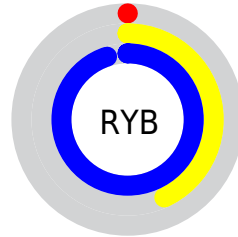
The Yxy color **46.7990, 0.2080, 0.2687** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.7200, 0.6227, 0.3436**, and the grayscale version is **27.7117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **23.4917, 0.2040, 0.2544** is the 20% darker color. If you saturate the color by 10%, you get **46.7585, 0.2079, 0.2686**, and if you desaturate by 10%, it is **49.0461, 0.2112, 0.2753**.

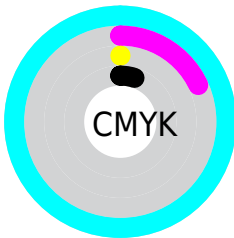
Distribution



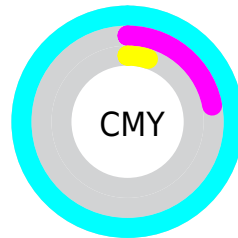
- Red (0%)
- Green (78%)
- Blue (95%)



- Red (0%)
- Yellow (43%)
- Blue (95%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (22%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7990, 0.2080, 0.2687 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 46.7990, 0.2080, 0.2687 by changing the saturation by 10% instead.


 46.7990, 0.2080,
0.2687

 46.7990, 0.2080,
0.2687


 374.0116, 0.2575,
0.2997

 32.8768, 0.1967,
0.2609


 85.4135, 0.2253,
0.2801


 22.0321, 0.1827,
0.2510


 110.8746, 0.2320,
0.2843


 13.8805, 0.1653,
0.2379


 140.9508, 0.2377,
0.2879

 8.0376, 0.1431,
0.2202

 176.0264, 0.2427,
0.2910

 4.1190, 0.1145,
0.1952

 216.4859, 0.2471,
0.2936

 1.7404, 0.0778,
0.1587

 262.7137, 0.2510,

 0.4496, 0.0000,

0.2959

0.0958

315.0942, 0.2545,
0.2979

■ 0.0000, 0.0000,
0.0000

■ 46.7990, 0.2080,
0.2687

■ 46.7990, 0.2080,
0.2687

■ 46.7585, 0.2079,
0.2686

■ 49.0461, 0.2112,
0.2753

■ 51.5986, 0.2161,
0.2819

■ 54.5330, 0.2229,
0.2885

■ 57.8953, 0.2317,
0.2952

■ 61.7240, 0.2423,
0.3016

■ 66.0529, 0.2545,
0.3079

■ 70.9125, 0.2680,
0.3138

■ 76.3304, 0.2825,
0.3193

■ 82.3324, 0.2976,
0.3244

Harmonies

Analogous

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



46.7990, 0.2198, 0.3172



46.7990, 0.2080, 0.2687



46.7990, 0.2203, 0.2422

Triad

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



46.7990, 0.2080, 0.2687



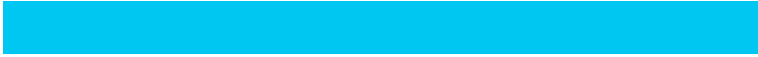
46.7990, 0.3684, 0.2856



46.7990, 0.3649, 0.4353

Complementary

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



46.7990, 0.2080, 0.2687



20.7200, 0.6227, 0.3436

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.



46.7990, 0.4101, 0.4133



46.7990, 0.2080, 0.2687



46.7990, 0.4145, 0.3276

Square

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



46.7990, 0.2080, 0.2687



46.7990, 0.3087, 0.2539



46.7990, 0.4296, 0.3730



46.7990, 0.3080, 0.4237

Rectangle

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



46.7990, 0.2080, 0.2687



46.7990, 0.2413, 0.2371



46.7990, 0.4296, 0.3730



46.7990, 0.3820, 0.4310

Sweetspot

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



46.8006, 0.2080, 0.2687



79.6887, 0.2676, 0.3136



63.6768, 0.2964, 0.5869



16.5470, 0.2618, 0.3112



0.0000, 0.0000, 0.0000



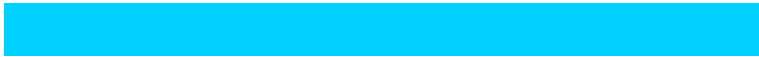
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8006, 0.2080, 0.2687



52.5877, 0.2079, 0.2684



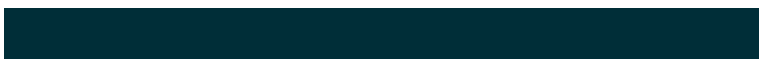
12.2977, 0.1627, 0.1054



17.4104, 0.2981, 0.3246



25.3005, 0.2083, 0.2697



2.2308, 0.2107, 0.2783

Inverse Universe

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



22.9678, 0.3740, 0.1835



25.8399, 0.3743, 0.1836



44.5474, 0.4945, 0.4454



15.9791, 0.3166, 0.3099



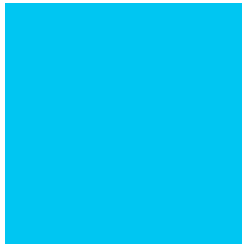
12.3474, 0.3731, 0.1829



1.0399, 0.3650, 0.1784

Previews

White Background



This preview shows how the Yxy color 46.7990, 0.2080, 0.2687 looks on a white background.

Color Contrast Check

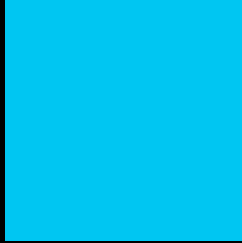
Large Text (above 18pt) WCAG AA × Fail

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 46.7990, 0.2080, 0.2687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

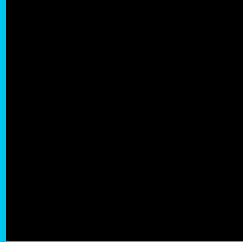
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7990, 0.2080, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 46.7990, 0.2080, 0.2687.



This preview shows how white text looks on a background with the Yxy color 46.7990, 0.2080, 0.2687.

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

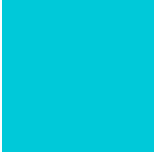
46.7990, 0.2080, 0.2687

Protanopia

46.2767, 0.2693, 0.2680

Deuteranopia

46.1333, 0.2522, 0.2455



Tritanopia

46.7830, 0.2182, 0.3056

Trichromacy



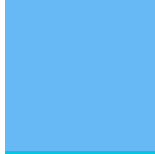
Original Color

46.7990, 0.2080, 0.2687



Protanomaly

44.1891, 0.2313, 0.2658



Deuteranomaly

44.1741, 0.2235, 0.2504



Tritanomaly

46.7995, 0.2144, 0.2919

Monochromacy



Original Color

46.7990, 0.2080, 0.2687



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.1215, 0.2445, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7990, 0.2080, 0.2687 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 242) }
```

Border

The CSS property to change the border of an element to Yxy 46.7990, 0.2080, 0.2687 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, 242) }
```

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

```
.border{ border-color:rgb(0, 198, 242) }
```

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, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7990, 0.2080, 0.2687 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, 242) }
```

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

```
.background{ background-color: rgb(0, 198,  
242) }
```

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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