

Converting Colors

$Y_{xy}(44.7261, 0.2069, 0.2648)$

Have a look what the booklet for
Yxy(44.7261, 0.2069, 0.2648)
contains.

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Color

Yxy(44.8748, 0.2070, 0.2653)

Conversions

Conversions Part 1

Format	Color
Hex	00C2F0
RGB	0, 194, 240
RGB Percent	0%, 76%, 94%
CMY	1.0000, 0.2392, 0.0588
CMYK	1.00, 0.19, 0.00, 0.06
HSL	191°, 100%, 47%
HSV	191°, 100%, 94%
XYZ	35.0135, 44.8748, 89.2591
YIQ	141.2380, -130.3900, -26.8220

Conversions

Conversions Part 2

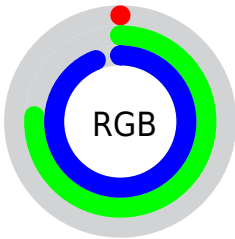
Format	Color
RYB	0, 107, 240
Decimal	49904
CIELab	72.81, -24.37, -34.06
CIELCh	73, 41.882, 234.416
Yxy	44.8748, 0.2070, 0.2653
Android (android.graphics.Color)	4278239984 (0xFF00C2F0)
YUV	141.2380, 48.6897, -123.8657
Hunter-Lab	66.9887, -23.9321, -32.1089

Details

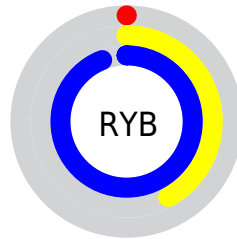
The Yxy color **44.8748, 0.2070, 0.2653** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.4801, 0.6214, 0.3448**, and the grayscale version is **26.5813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5939, 0.2407, 0.3241**, and **22.2169, 0.2027, 0.2498** is the 20% darker color. If you saturate the color by 10%, you get **44.8809, 0.2070, 0.2653**, and if you desaturate by 10%, it is **47.1545, 0.2104, 0.2722**.

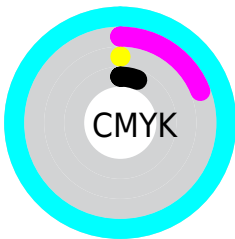
Distribution



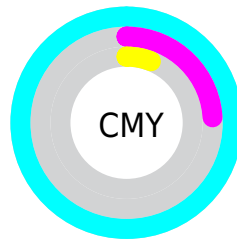
- Red (0%)
- Green (76%)
- Blue (94%)



- Red (0%)
- Yellow (42%)
- Blue (94%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (24%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8748, 0.2070, 0.2653 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 44.8748, 0.2070, 0.2653 by changing the saturation by 10% instead.

 44.8748, 0.2070,
0.2653

 44.8748, 0.2070,
0.2653


366.2663, 0.2573,
0.2981


 31.3588, 0.1954,
0.2571


 82.5325, 0.2246,
0.2773


 20.8722, 0.1812,
0.2465


 107.4430, 0.2314,
0.2818


 13.0306, 0.1633,
0.2327


 136.9205, 0.2373,
0.2856

 7.4496, 0.1405,
0.2139

 171.3494, 0.2423,
0.2888

 3.7449, 0.1111,
0.1875

 211.1140, 0.2468,
0.2916

 1.5319, 0.0733,
0.1491

256.5987, 0.2507,

 0.3110, 0.0000,

0.2941

0.0721

308.1880, 0.2542,
0.2962

■ 0.0000, 0.0000,
0.0000

■ 44.8748, 0.2070,
0.2653

■ 44.8748, 0.2070,
0.2653

■ 44.8809, 0.2070,
0.2653

■ 47.1545, 0.2104,
0.2722

■ 49.7320, 0.2153,
0.2792

■ 52.6891, 0.2223,
0.2863

■ 56.0711, 0.2312,
0.2932

■ 59.9158, 0.2419,
0.3001

■ 64.2567, 0.2541,
0.3066

■ 69.1234, 0.2677,
0.3129

■ 74.5435, 0.2821,
0.3187

■ 80.5420, 0.2973,
0.3241

Harmonies

Analogous

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



44.8748, 0.2171, 0.3130



44.8748, 0.2070, 0.2653



44.8748, 0.2211, 0.2402

Triad

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



44.8748, 0.2070, 0.2653



44.8748, 0.3730, 0.2878



44.8748, 0.3615, 0.4370

Complementary

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



44.8748, 0.2070, 0.2653



20.4801, 0.6214, 0.3448

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.



44.8748, 0.4087, 0.4165



44.8748, 0.2070, 0.2653



44.8748, 0.4180, 0.3307

Square

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



44.8748, 0.2070, 0.2653



44.8748, 0.3129, 0.2549



44.8748, 0.4307, 0.3766



44.8748, 0.3038, 0.4227

Rectangle

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



44.8748, 0.2070, 0.2653



44.8748, 0.2433, 0.2362



44.8748, 0.4307, 0.3766



44.8748, 0.3792, 0.4334

Sweetspot

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



44.8809, 0.2070, 0.2653



79.2646, 0.2675, 0.3128



62.5063, 0.2957, 0.5847



16.4446, 0.2617, 0.3102



0.0000, 0.0000, 0.0000



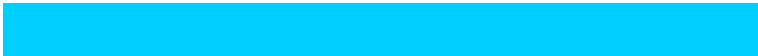
21.4041, 0.3127, 0.3290

Same Dimension

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



44.8809, 0.2070, 0.2653



51.4263, 0.2070, 0.2651



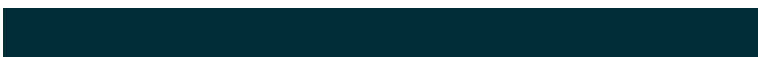
11.4609, 0.1614, 0.1010



17.3840, 0.2981, 0.3244



24.7542, 0.2074, 0.2664



2.1900, 0.2099, 0.2756

Inverse Universe

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



22.4221, 0.3773, 0.1852



25.7227, 0.3775, 0.1853



45.0792, 0.4902, 0.4490



15.9764, 0.3167, 0.3101



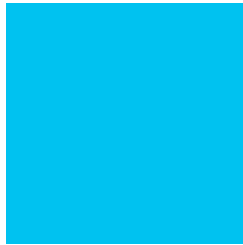
12.2923, 0.3762, 0.1846



1.0358, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 44.8748, 0.2070, 0.2653 looks on a white background.

Color Contrast Check

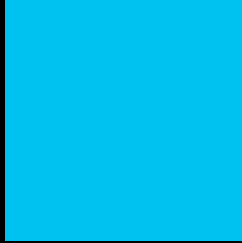
Large Text (above 18pt) WCAG AA × Fail

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 44.8748, 0.2070, 0.2653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

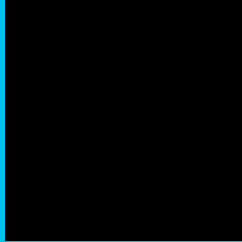
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8748, 0.2070, 0.2653

Background



This preview shows how black text looks on a background with the Yxy color 44.8748, 0.2070, 0.2653.



This preview shows how white text looks on a background with the Yxy color 44.8748, 0.2070, 0.2653.

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

44.8748, 0.2070, 0.2653

Protanopia

44.0434, 0.2664, 0.2645

Deuteranopia

44.2595, 0.2502, 0.2440



Tritanopia

44.7366, 0.2181, 0.3051

Trichromacy



Original Color

44.8748, 0.2070, 0.2653

Protanomaly

42.1685, 0.2292, 0.2622

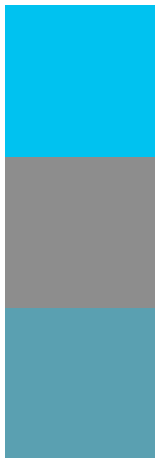
Deuteranomaly

42.5796, 0.2217, 0.2481

Tritanomaly

44.8076, 0.2139, 0.2899

Monochromacy



Original Color

44.8748, 0.2070, 0.2653

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

30.4896, 0.2438, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8748, 0.2070, 0.2653 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, 194, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 240)  
}
```

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, 194, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 240) }
```

Border

The CSS property to change the border of an element to Yxy 44.8748, 0.2070, 0.2653 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, 194, 240) }
```

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

```
.border{ border-color:rgb(0, 194, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8748, 0.2070, 0.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 240) }
```

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

```
.background{ background-color: rgb(0, 194,  
240) }
```

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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