

Converting Colors

$Y_{xy}(48.5280, 0.2104, 0.2773)$

Have a look what the booklet for
Yxy(48.5280, 0.2104, 0.2773)
contains.

Yxy(48.5388, 0.2103, 0.2769)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.5388, 0.2103, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	01CAF0
RGB	1, 202, 240
RGB Percent	0%, 79%, 94%
CMY	0.9963, 0.2078, 0.0587
CMYK	1.00, 0.16, 0.00, 0.06
HSL	190°, 99%, 47%
HSV	190°, 100%, 94%
XYZ	36.8642, 48.5388, 89.8906
YIQ	146.2330, -131.9940, -30.7940

Conversions

Conversions Part 2

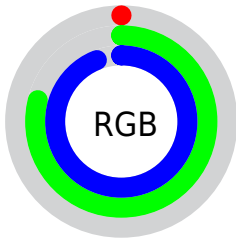
Format	Color
RYB	1, 110, 240
Decimal	117488
CIELab	75.16, -28.31, -30.44
CIELCh	75, 41.572, 227.078
Yxy	48.5388, 0.2103, 0.2769
Android (android.graphics.Color)	4278307568 (0xFF01CAF0)
YUV	146.2330, 46.2271, -127.3693
Hunter-Lab	69.6698, -27.4728, -27.7293

Details

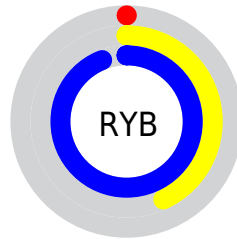
The Yxy color **48.5388, 0.2103, 0.2769** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **19.9840, 0.6258, 0.3409**, and the grayscale version is **28.6882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **24.6405, 0.2070, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **48.4631, 0.2102, 0.2767**, and if you desaturate by 10%, it is **50.5548, 0.2133, 0.2825**.

Distribution



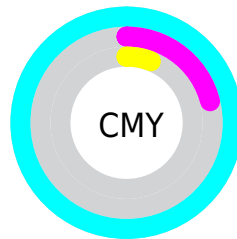
- Red (0%)
- Green (79%)
- Blue (94%)



- Red (0%)
- Yellow (43%)
- Blue (94%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (21%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5388, 0.2103, 0.2769 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 48.5388, 0.2103, 0.2769 by changing the saturation by 10% instead.

 48.5388, 0.2103,
0.2769

 48.5388, 0.2103,
0.2769


380.9238, 0.2586,
0.3039


 34.2538, 0.1993,
0.2700


 88.0061, 0.2271,
0.2868


 23.0886, 0.1857,
0.2612


 113.9571, 0.2336,
0.2906


 14.6590, 0.1687,
0.2496


 144.5656, 0.2393,
0.2937

 8.5804, 0.1471,
0.2337


 180.2160, 0.2441,
0.2963

 4.4685, 0.1190,
0.2109

 221.2926, 0.2484,
0.2986

 1.9389, 0.0827,
0.1769

268.1798, 0.2522,

 0.5716, 0.0000,

0.3006

0.1229

321.2621, 0.2556,
0.3024

■ 0.0000, 0.0000,
0.0000

■ 48.5388, 0.2103,
0.2769

■ 48.5388, 0.2103,
0.2769

■ 48.4631, 0.2102,
0.2767

■ 50.5548, 0.2133,
0.2825

■ 52.8597, 0.2179,
0.2883

■ 55.5268, 0.2244,
0.2940

■ 58.6006, 0.2329,
0.2997

■ 62.1187, 0.2433,
0.3053

■ 66.1140, 0.2552,
0.3107

■ 70.6161, 0.2685,
0.3158

■ 75.6519, 0.2828,
0.3206

■ 81.2464, 0.2979,
0.3251

Harmonies

Analogous

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



48.5388, 0.2261, 0.3275



48.5388, 0.2103, 0.2769



48.5388, 0.2184, 0.2468

Triad

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



48.5388, 0.2103, 0.2769



48.5388, 0.3574, 0.2801



48.5388, 0.3729, 0.4313

Complementary

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



48.5388, 0.2103, 0.2769



19.9840, 0.6258, 0.3409

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.



48.5388, 0.4137, 0.4057



48.5388, 0.2103, 0.2769



48.5388, 0.4063, 0.3202

Square

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



48.5388, 0.2103, 0.2769



48.5388, 0.2988, 0.2514



48.5388, 0.4271, 0.3647



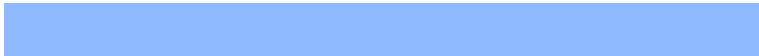
48.5388, 0.3180, 0.4262

Rectangle

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



48.5388, 0.2103, 0.2769



48.5388, 0.2364, 0.2393



48.5388, 0.4271, 0.3647



48.5388, 0.3887, 0.4254

Sweetspot

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



48.5405, 0.2103, 0.2769



80.7434, 0.2678, 0.3156



62.4795, 0.2969, 0.5887



16.8019, 0.2621, 0.3134



0.0000, 0.0000, 0.0000



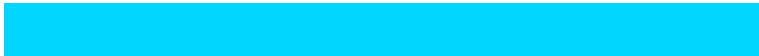
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5405, 0.2103, 0.2769



55.5320, 0.2101, 0.2765



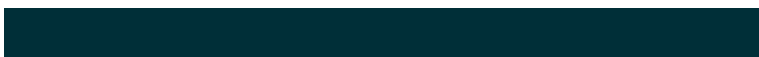
12.7389, 0.1640, 0.1102



17.4756, 0.2981, 0.3251



26.6844, 0.2105, 0.2776



2.3336, 0.2125, 0.2851

Inverse Universe

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



22.8164, 0.3663, 0.1793



26.1371, 0.3667, 0.1794



42.4306, 0.4988, 0.4419



15.9857, 0.3162, 0.3094



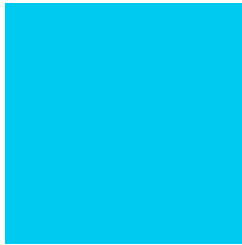
12.4872, 0.3657, 0.1788



1.0503, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 48.5388, 0.2103, 0.2769 looks on a white background.

Color Contrast Check

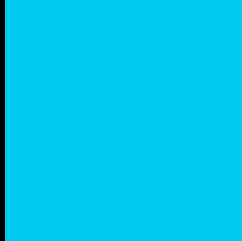
Large Text (above 18pt) WCAG AA × Fail

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 48.5388, 0.2103, 0.2769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

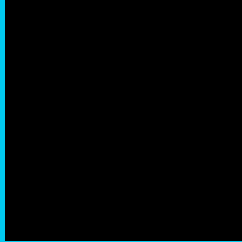
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5388, 0.2103, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 48.5388, 0.2103, 0.2769.



This preview shows how white text looks on a background with the Yxy color 48.5388, 0.2103, 0.2769.

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

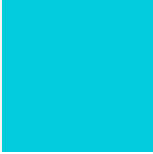
48.5388, 0.2103, 0.2769

Protanopia

47.9456, 0.2745, 0.2747

Deuteranopia

47.9652, 0.2585, 0.2522



Tritanopia

48.3530, 0.2183, 0.3059

Trichromacy



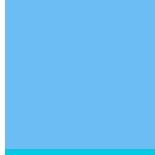
Original Color

48.5388, 0.2103, 0.2769



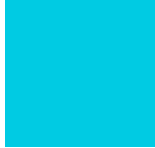
Protanomaly

45.5442, 0.2345, 0.2726



Deuteranomaly

45.9921, 0.2272, 0.2584



Tritanomaly

48.2579, 0.2153, 0.2950

Monochromacy



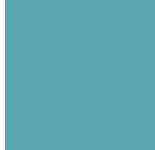
Original Color

48.5388, 0.2103, 0.2769



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.8949, 0.2457, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5388, 0.2103, 0.2769 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, 202, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 202, 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(1, 202, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 202, 240) }
```

Border

The CSS property to change the border of an element to Yxy 48.5388, 0.2103, 0.2769 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, 202, 240) }
```

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

```
.border{ border-color:rgb(1, 202, 240) }
```

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

Here you see how a box with a 4 pixel rgb(1, 202, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 202, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 202, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 202,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5388, 0.2103, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 202, 240) }
```

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

```
.background{ background-color: rgb(1, 202,  
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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