

Converting Colors

$Y_{xy}(39.9554, 0.1299, 0.2703)$

Have a look what the booklet for
Yxy(39.9554, 0.1299, 0.2703)
contains.

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Color

Yxy(48.9439, 0.2110, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	00CBEF
RGB	0, 203, 239
RGB Percent	0%, 80%, 94%
CMY	1.0000, 0.2039, 0.0627
CMYK	1.00, 0.15, 0.00, 0.06
HSL	189°, 100%, 47%
HSV	189°, 100%, 94%
XYZ	36.9355, 48.9439, 89.1703
YIQ	146.4070, -132.5440, -31.8400

Conversions

Conversions Part 2

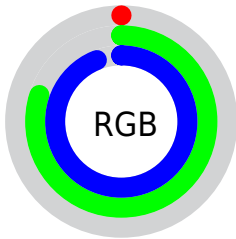
Format	Color
RYB	0, 110, 239
Decimal	52207
CIELab	75.42, -29.17, -29.50
CIELCh	75, 41.487, 225.330
Yxy	48.9439, 0.2110, 0.2796
Android (android.graphics.Color)	4278242287 (0xFF00CBEF)
YUV	146.4070, 45.6483, -128.3989
Hunter-Lab	69.9599, -28.1904, -26.5986

Details

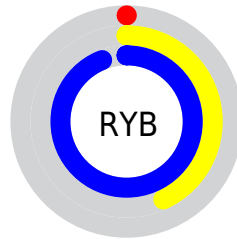
The Yxy color **48.9439, 0.2110, 0.2796** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.6151, 0.6277, 0.3398**, and the grayscale version is **28.7715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **24.9138, 0.2079, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **48.9464, 0.2110, 0.2796**, and if you desaturate by 10%, it is **50.8601, 0.2138, 0.2849**.

Distribution



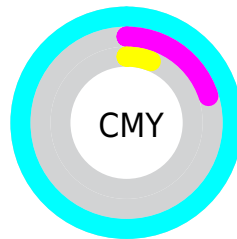
- Red (0%)
- Green (80%)
- Blue (94%)



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



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9439, 0.2110, 0.2796 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 48.9439, 0.2110, 0.2796 by changing the saturation by 10% instead.


 48.9439, 0.2110,
0.2796

 48.9439, 0.2110,
0.2796

382.5214, 0.2589,
0.3053

 34.5750, 0.2000,
0.2730


 88.6081, 0.2277,
0.2891


 23.3357, 0.1866,
0.2646


 114.6722, 0.2342,
0.2926


 14.8416, 0.1697,
0.2534


 145.4035, 0.2397,
0.2956

 8.7083, 0.1482,
0.2381

 181.1864, 0.2446,
0.2981

 4.5514, 0.1202,
0.2160

 222.4052, 0.2488,
0.3003

 1.9865, 0.0839,
0.1827

269.4444, 0.2526,

 0.5996, 0.0000,

0.3022

0.1307

322.6883, 0.2560,
0.3039

■ 0.0000, 0.0000,
0.0000

■ 48.9439, 0.2110,
0.2796

■ 48.9439, 0.2110,
0.2796

■ 48.9464, 0.2110,
0.2796

■ 50.8601, 0.2138,
0.2849

■ 53.0511, 0.2183,
0.2903

■ 55.5943, 0.2246,
0.2957

■ 58.5341, 0.2329,
0.3011

■ 61.9077, 0.2431,
0.3064

■ 65.7480, 0.2549,
0.3115

■ 70.0842, 0.2681,
0.3164

■ 74.9430, 0.2823,
0.3209

■ 80.3492, 0.2973,
0.3251

Harmonies

Analogous

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



48.9439, 0.2281, 0.3309



48.9439, 0.2110, 0.2796



48.9439, 0.2177, 0.2483

Triad

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



48.9439, 0.2110, 0.2796



48.9439, 0.3539, 0.2783



48.9439, 0.3755, 0.4300

Complementary

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



48.9439, 0.2110, 0.2796



19.6151, 0.6277, 0.3398

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.



48.9439, 0.4148, 0.4033



48.9439, 0.2110, 0.2796



48.9439, 0.4036, 0.3177

Square

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



48.9439, 0.2110, 0.2796



48.9439, 0.2957, 0.2505



48.9439, 0.4263, 0.3620



48.9439, 0.3213, 0.4270

Rectangle

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



48.9439, 0.2110, 0.2796



48.9439, 0.2348, 0.2400



48.9439, 0.4263, 0.3620



48.9439, 0.3910, 0.4237

Sweetspot

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



48.9464, 0.2110, 0.2796



81.1300, 0.2679, 0.3163



61.8667, 0.2970, 0.5892



16.8954, 0.2622, 0.3143



0.0000, 0.0000, 0.0000



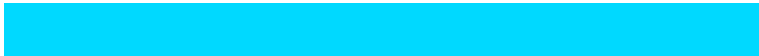
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9464, 0.2110, 0.2796



56.6310, 0.2110, 0.2794



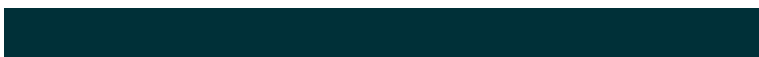
12.5198, 0.1638, 0.1095



17.4994, 0.2981, 0.3254



27.2006, 0.2112, 0.2805



2.3718, 0.2132, 0.2875

Inverse Universe

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



22.6648, 0.3638, 0.1778



26.2481, 0.3640, 0.1779



41.9149, 0.4993, 0.4417



15.9881, 0.3161, 0.3092



12.5393, 0.3630, 0.1774



1.0541, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 48.9439, 0.2110, 0.2796 looks on a white background.

Color Contrast Check

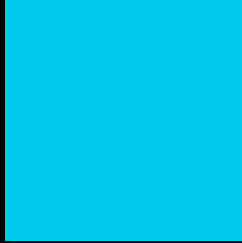
Large Text (above 18pt) WCAG AA × Fail

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 48.9439, 0.2110, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

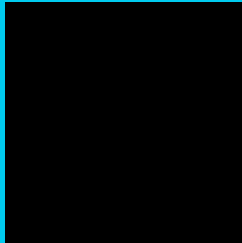
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9439, 0.2110, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 48.9439, 0.2110, 0.2796.



This preview shows how white text looks on a background with the Yxy color 48.9439, 0.2110, 0.2796.

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

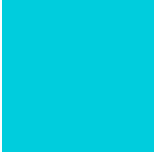
48.9439, 0.2110, 0.2796

Protanopia

48.4172, 0.2760, 0.2772

Deuteranopia

48.1254, 0.2604, 0.2535



Tritanopia

48.8831, 0.2183, 0.3060

Trichromacy



Original Color

48.9439, 0.2110, 0.2796



Protanomaly

45.9196, 0.2353, 0.2752



Deuteranomaly

45.9941, 0.2281, 0.2596



Tritanomaly

48.7872, 0.2153, 0.2951

Monochromacy



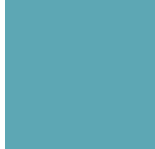
Original Color

48.9439, 0.2110, 0.2796



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.2599, 0.2460, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9439, 0.2110, 0.2796 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, 203, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 239)  
}
```

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, 203, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 239) }
```

Border

The CSS property to change the border of an element to Yxy 48.9439, 0.2110, 0.2796 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, 203, 239) }
```

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

```
.border{ border-color:rgb(0, 203, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9439, 0.2110, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 239) }
```

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

```
.background{ background-color: rgb(0, 203,  
239) }
```

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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