

Converting Colors

$Yxy(49.4173, 0.2111, 0.2801)$

Have a look what the booklet for
Yxy(49.4173, 0.2111, 0.2801)
contains.

Yxy(49.4770, 0.2111, 0.2798)	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(49.4770, 0.2111, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	01CCF0
RGB	1, 204, 240
RGB Percent	0%, 80%, 94%
CMY	0.9967, 0.2000, 0.0588
CMYK	1.00, 0.15, 0.00, 0.06
HSL	189°, 99%, 47%
HSV	189°, 100%, 94%
XYZ	37.3288, 49.4770, 90.0241
YIQ	147.4070, -132.5440, -31.8400

Conversions

Conversions Part 2

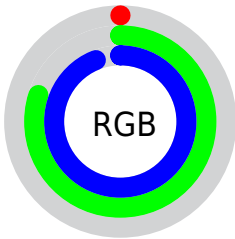
Format	Color
R _Y B	1, 111, 240
Decimal	118000
CIE Lab	75.75, -29.30, -29.53
CIE LCh	76, 41.599, 225.222
Yxy	49.4770, 0.2111, 0.2798
Android (android.graphics.Color)	4278308080 (0xFF01CCF0)
YUV	147.4070, 45.6483, -128.3989
Hunter-Lab	70.3399, -28.3664, -26.6440

Details

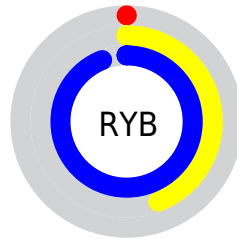
The Yxy color **49.4770, 0.2111, 0.2798** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8424, 0.6271, 0.3400**, and the grayscale version is **29.1809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **24.9556, 0.2075, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **49.4129, 0.2110, 0.2796**, and if you desaturate by 10%, it is **51.4160, 0.2140, 0.2851**.

Distribution



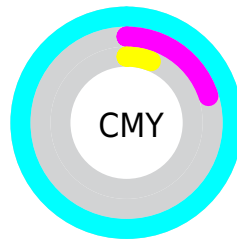
- Red (0%)
- Green (80%)
- Blue (94%)



- Red (0%)
- Yellow (44%)
- 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 49.4770, 0.2111, 0.2798 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 49.4770, 0.2111, 0.2798 by changing the saturation by 10% instead.


 49.4770, 0.2111,
0.2798


 49.4770, 0.2111,
0.2798


 384.6172, 0.2589,
0.3054

 34.9980, 0.2002,
0.2733


 89.3995, 0.2277,
0.2892

 23.6613, 0.1868,
0.2649


 115.6118, 0.2342,
0.2927


 15.0826, 0.1700,
0.2539


 146.5040, 0.2398,
0.2957

 8.8774, 0.1487,
0.2387

 182.4605, 0.2446,
0.2982

 4.6613, 0.1209,
0.2168

 223.8656, 0.2488,
0.3004

 2.0499, 0.0849,
0.1840

271.1039, 0.2526,

 0.6362, 0.0000,

0.3023

0.1344

324.5596, 0.2559,
0.3039

■ 0.0000, 0.0000,
0.0000

■ 49.4770, 0.2111,
0.2798

■ 49.4770, 0.2111,
0.2798

■ 49.4129, 0.2110,
0.2796

■ 51.4160, 0.2140,
0.2851

■ 53.6385, 0.2185,
0.2905

■ 56.2184, 0.2249,
0.2959

■ 59.2000, 0.2333,
0.3013

■ 62.6210, 0.2435,
0.3066

■ 66.5143, 0.2553,
0.3117

■ 70.9092, 0.2685,
0.3165

■ 75.8329, 0.2828,
0.3211

■ 81.3102, 0.2978,
0.3253

Harmonies

Analogous

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



49.4770, 0.2283, 0.3312



49.4770, 0.2111, 0.2798



49.4770, 0.2177, 0.2485

Triad

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



49.4770, 0.2111, 0.2798



49.4770, 0.3536, 0.2782



49.4770, 0.3756, 0.4299

Complementary

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



49.4770, 0.2111, 0.2798



19.8424, 0.6271, 0.3400

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.



49.4770, 0.4148, 0.4031



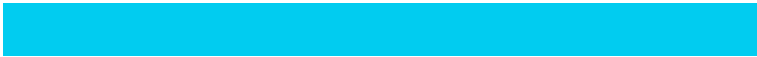
49.4770, 0.2111, 0.2798



49.4770, 0.4034, 0.3176

Square

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



49.4770, 0.2111, 0.2798



49.4770, 0.2955, 0.2505



49.4770, 0.4262, 0.3618



49.4770, 0.3215, 0.4270

Rectangle

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



49.4770, 0.2111, 0.2798



49.4770, 0.2348, 0.2400



49.4770, 0.4262, 0.3618



49.4770, 0.3911, 0.4235

Sweetspot

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



49.4787, 0.2111, 0.2798



81.1333, 0.2679, 0.3163



62.4608, 0.2969, 0.5888



16.8962, 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.



49.4787, 0.2111, 0.2798



56.6402, 0.2110, 0.2794



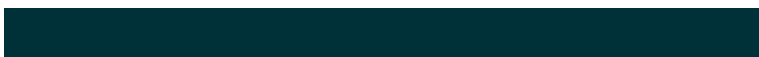
12.7235, 0.1640, 0.1101



17.4996, 0.2981, 0.3254



27.2050, 0.2113, 0.2805



2.3721, 0.2132, 0.2875

Inverse Universe

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



22.9038, 0.3636, 0.1778



26.2490, 0.3640, 0.1779



42.4055, 0.4989, 0.4419



15.9881, 0.3161, 0.3092



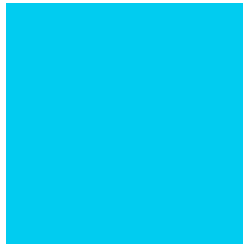
12.5397, 0.3630, 0.1773



1.0542, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 49.4770, 0.2111, 0.2798 looks on a white background.

Color Contrast Check

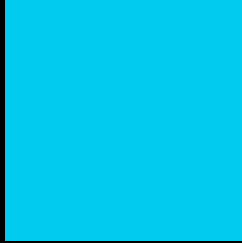
Large Text (above 18pt) WCAG AA × Fail

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 49.4770, 0.2111, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

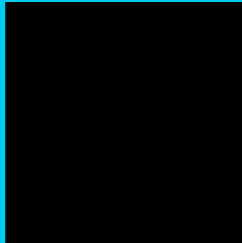
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4770, 0.2111, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 49.4770, 0.2111, 0.2798.



This preview shows how white text looks on a background with the Yxy color 49.4770, 0.2111, 0.2798.

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

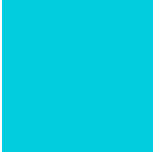
49.4835, 0.2111, 0.2798

Protanopia

48.5333, 0.2767, 0.2773

Deuteranopia

48.7064, 0.2606, 0.2539



Tritanopia

49.4165, 0.2184, 0.3061

Trichromacy



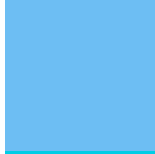
Original Color

49.4835, 0.2111, 0.2798



Protanomaly

46.4195, 0.2360, 0.2767



Deuteranomaly

46.5492, 0.2284, 0.2599



Tritanomaly

49.3198, 0.2154, 0.2952

Monochromacy



Original Color

49.4835, 0.2111, 0.2798



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.7211, 0.2462, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4770, 0.2111, 0.2798 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, 204, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 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, 204, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 240) }
```

Border

The CSS property to change the border of an element to Yxy 49.4770, 0.2111, 0.2798 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, 204, 240) }
```

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

```
.border{ border-color:rgb(1, 204, 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, 204, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4770, 0.2111, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 240) }
```

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

```
.background{ background-color: rgb(1, 204,  
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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