

Converting Colors

$Y_{xy}(47.1287, 0.1894, 0.2726)$

Have a look what the booklet for
Yxy(47.1287, 0.1894, 0.2726)
contains.

Yxy(49.7174, 0.2097, 0.2749)	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(49.7174, 0.2097, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	00CCF4
RGB	0, 204, 244
RGB Percent	0%, 80%, 96%
CMY	1.0000, 0.2000, 0.0430
CMYK	1.00, 0.16, 0.00, 0.04
HSL	190°, 100%, 48%
HSV	190°, 100%, 96%
XYZ	37.9256, 49.7174, 93.2133
YIQ	147.5640, -134.4240, -30.8080

Conversions

Conversions Part 2

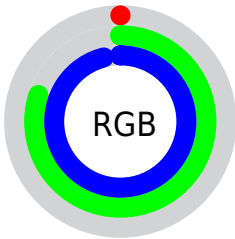
Format	Color
RYB	0, 111, 244
Decimal	52468
CIELab	75.90, -28.00, -31.46
CIElCh	76, 42.119, 228.335
Yxy	49.7174, 0.2097, 0.2749
Android (android.graphics.Color)	4278242548 (0xFF00CCF4)
YUV	147.5640, 47.5429, -129.4136
Hunter-Lab	70.5106, -27.3836, -29.0226

Details

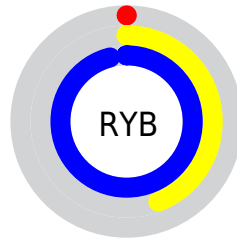
The Yxy color **49.7174, 0.2097, 0.2749** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.7597, 0.6259, 0.3412**, and the grayscale version is **29.2656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **25.4435, 0.2063, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **49.7192, 0.2097, 0.2749**, and if you desaturate by 10%, it is **51.8462, 0.2127, 0.2807**.

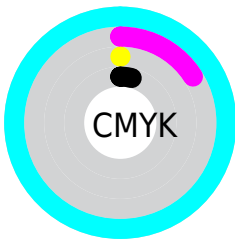
Distribution



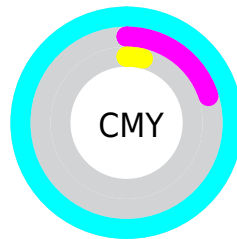
- Red (0%)
- Green (80%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (20%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7174, 0.2097, 0.2749 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 49.7174, 0.2097, 0.2749 by changing the saturation by 10% instead.


 49.7174, 0.2097,
0.2749

 49.7174, 0.2097,
0.2749


 385.5598, 0.2580,
0.3028


 35.1889, 0.1987,
0.2679


 89.7560, 0.2265,
0.2851

 23.8084, 0.1853,
0.2590


 116.0349, 0.2330,
0.2889


 15.1916, 0.1685,
0.2472


 146.9995, 0.2386,
0.2921

 8.9539, 0.1471,
0.2312

 183.0340, 0.2435,
0.2949

 4.7112, 0.1196,
0.2086

 224.5228, 0.2478,
0.2973

 2.0788, 0.0840,
0.1751

 271.8505, 0.2516,

 0.6527, 0.0000,

0.2993

0.1263

325.4014, 0.2550,
0.3012

■ 0.0000, 0.0000,
0.0000

■ 49.7174, 0.2097,
0.2749

■ 49.7174, 0.2097,
0.2749

■ 49.7192, 0.2097,
0.2749

■ 51.8462, 0.2127,
0.2807

■ 54.2723, 0.2173,
0.2866

■ 57.0756, 0.2238,
0.2926

■ 60.3029, 0.2323,
0.2985

■ 63.9936, 0.2426,
0.3043

■ 68.1822, 0.2546,
0.3099

■ 72.8995, 0.2679,
0.3152

■ 78.1740, 0.2822,
0.3202

■ 84.0316, 0.2973,
0.3248

Harmonies

Analogous

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



49.7174, 0.2245, 0.3251



49.7174, 0.2097, 0.2749



49.7174, 0.2188, 0.2457

Triad

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



49.7174, 0.2097, 0.2749



49.7174, 0.3600, 0.2814



49.7174, 0.3710, 0.4323

Complementary

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



49.7174, 0.2097, 0.2749



20.7597, 0.6259, 0.3412

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.



49.7174, 0.4129, 0.4075



49.7174, 0.2097, 0.2749



49.7174, 0.4083, 0.3219

Square

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



49.7174, 0.2097, 0.2749



49.7174, 0.3012, 0.2519



49.7174, 0.4278, 0.3667



49.7174, 0.3157, 0.4257

Rectangle

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



49.7174, 0.2097, 0.2749



49.7174, 0.2376, 0.2387



49.7174, 0.4278, 0.3667



49.7174, 0.3872, 0.4268

Sweetspot

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



49.7192, 0.2097, 0.2749



80.5163, 0.2678, 0.3152



64.8543, 0.2970, 0.5893



16.7470, 0.2620, 0.3130



0.0000, 0.0000, 0.0000



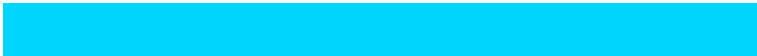
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7192, 0.2097, 0.2749



54.8911, 0.2097, 0.2748



13.0960, 0.1637, 0.1093



18.2677, 0.2980, 0.3250



27.1978, 0.2100, 0.2758



2.5111, 0.2120, 0.2832

Inverse Universe

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



23.5992, 0.3682, 0.1802



26.0724, 0.3683, 0.1803



43.9066, 0.4994, 0.4416



16.7189, 0.3163, 0.3094



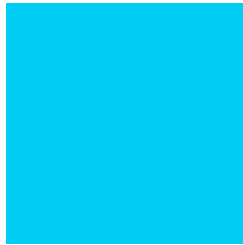
12.8450, 0.3673, 0.1797



1.1411, 0.3605, 0.1760

Previews

White Background



This preview shows how the Yxy color 49.7174, 0.2097, 0.2749 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 49.7174, 0.2097, 0.2749 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 49.7174, 0.2097, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 49.7174, 0.2097, 0.2749.

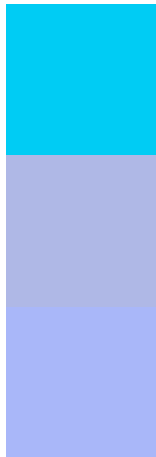


This preview shows how white text looks on a background with the Yxy color 49.7174, 0.2097, 0.2749.

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

49.7174, 0.2097, 0.2749

Protanopia

49.1081, 0.2728, 0.2729

Deuteranopia

49.1415, 0.2571, 0.2507



Tritanopia

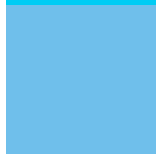
49.9534, 0.2184, 0.3062

Trichromacy



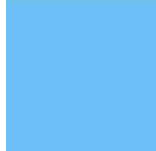
Original Color

49.7174, 0.2097, 0.2749



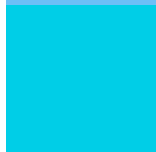
Protanomaly

46.6393, 0.2332, 0.2707



Deuteranomaly

47.1651, 0.2265, 0.2568



Tritanomaly

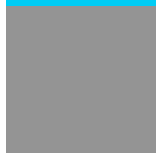
49.9121, 0.2150, 0.2941

Monochromacy



Original Color

49.7174, 0.2097, 0.2749



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.8038, 0.2450, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7174, 0.2097, 0.2749 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, 204, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 244)  
}
```

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, 204, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 244) }
```

Border

The CSS property to change the border of an element to Yxy 49.7174, 0.2097, 0.2749 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, 204, 244) }
```

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

```
.border{ border-color:rgb(0, 204, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7174, 0.2097, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 244) }
```

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

```
.background{ background-color: rgb(0, 204,  
244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor