

Converting Colors

$Y_{xy}(49.8145, 0.2115, 0.2813)$

Have a look what the booklet for
Yxy(49.8145, 0.2115, 0.2813)
contains.

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Color

Yxy(49.9539, 0.2115, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	01CDF0
RGB	1, 205, 240
RGB Percent	0%, 80%, 94%
CMY	0.9957, 0.1961, 0.0587
CMYK	1.00, 0.15, 0.00, 0.06
HSL	189°, 99%, 47%
HSV	189°, 100%, 94%
XYZ	37.5720, 49.9539, 90.1195
YIQ	147.9940, -132.8190, -32.3630

Conversions

Conversions Part 2

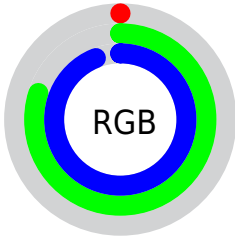
Format	Color
R_{YB}	1, 111, 240
Decimal	118256
CIE Lab	76.04, -29.77, -29.09
CIE LCh	76, 41.625, 224.333
Yxy	49.9539, 0.2115, 0.2812
Android (android.graphics.Color)	4278308336 (0xFF01CDF0)
YUV	147.9940, 45.3590, -128.9137
Hunter-Lab	70.6781, -28.7972, -26.1243

Details

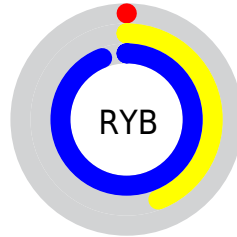
The Yxy color **49.9539, 0.2115, 0.2812** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8021, 0.6274, 0.3396**, and the grayscale version is **29.4701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **25.2734, 0.2080, 0.2688** is the 20% darker color. If you saturate the color by 10%, you get **49.8721, 0.2114, 0.2810**, and if you desaturate by 10%, it is **51.8595, 0.2143, 0.2864**.

Distribution



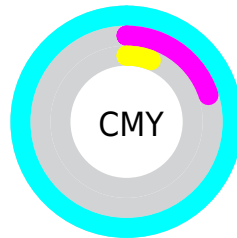
- Red (0%)
- Green (80%)
- Blue (94%)



- 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 49.9539, 0.2115, 0.2812 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 49.9539, 0.2115, 0.2812 by changing the saturation by 10% instead.


 49.9539, 0.2115,
0.2812

 49.9539, 0.2115,
0.2812


386.4856, 0.2591,
0.3061

 35.3768, 0.2007,
0.2749


 90.1066, 0.2280,
0.2904

 23.9532, 0.1873,
0.2667


 116.4509, 0.2345,
0.2938


 15.2989, 0.1707,
0.2559


 147.4864, 0.2400,
0.2967

 9.0295, 0.1495,
0.2411

 183.5975, 0.2448,
0.2991

 4.7604, 0.1219,
0.2197

 225.1686, 0.2490,
0.3012

 2.1074, 0.0860,
0.1875

272.5840, 0.2528,

 0.6688, 0.0000,

0.3031

0.1399

326.2283, 0.2561,
0.3047

■ 0.0000, 0.0000,
0.0000

■ 49.9539, 0.2115,
0.2812

■ 49.9539, 0.2115,
0.2812

■ 49.8721, 0.2114,
0.2810

■ 51.8595, 0.2143,
0.2864

■ 54.0481, 0.2188,
0.2916

■ 56.5926, 0.2252,
0.2969

■ 59.5373, 0.2335,
0.3021

■ 62.9198, 0.2437,
0.3072

■ 66.7728, 0.2555,
0.3122

■ 71.1259, 0.2687,
0.3169

■ 76.0058, 0.2830,
0.3213

■ 81.4376, 0.2980,
0.3254

Harmonies

Analogous

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



49.9539, 0.2294, 0.3329



49.9539, 0.2115, 0.2812



49.9539, 0.2174, 0.2493

Triad

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



49.9539, 0.2115, 0.2812



49.9539, 0.3518, 0.2773



49.9539, 0.3769, 0.4292

Complementary

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



49.9539, 0.2115, 0.2812



19.8021, 0.6274, 0.3396

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.



49.9539, 0.4154, 0.4019



49.9539, 0.2115, 0.2812



49.9539, 0.4020, 0.3164

Square

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



49.9539, 0.2115, 0.2812



49.9539, 0.2939, 0.2501



49.9539, 0.4257, 0.3605



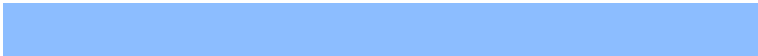
49.9539, 0.3232, 0.4273

Rectangle

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



49.9539, 0.2115, 0.2812



49.9539, 0.2340, 0.2404



49.9539, 0.4257, 0.3605



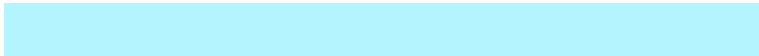
49.9539, 0.3922, 0.4226

Sweetspot

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



49.9557, 0.2115, 0.2812



81.3139, 0.2680, 0.3166



62.4523, 0.2975, 0.5906



16.9399, 0.2622, 0.3147



0.0000, 0.0000, 0.0000



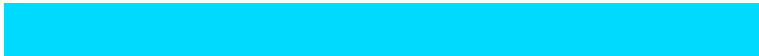
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9557, 0.2115, 0.2812



57.1572, 0.2113, 0.2808



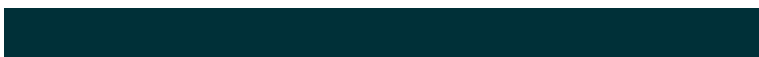
13.3950, 0.1653, 0.1148



17.5107, 0.2981, 0.3254



27.4478, 0.2116, 0.2818



2.3900, 0.2135, 0.2886

Inverse Universe

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



22.9607, 0.3623, 0.1771



26.3012, 0.3627, 0.1772



41.1244, 0.5034, 0.4382



15.9892, 0.3160, 0.3091



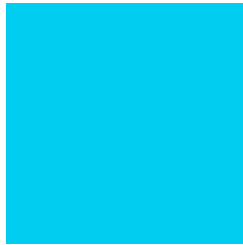
12.5642, 0.3618, 0.1767



1.0560, 0.3556, 0.1732

Previews

White Background



This preview shows how the Yxy color 49.9539, 0.2115, 0.2812 looks on a white background.

Color Contrast Check

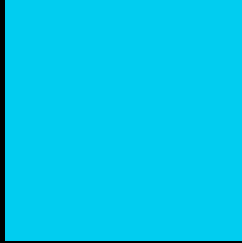
Large Text (above 18pt) WCAG AA × Fail

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 49.9539, 0.2115, 0.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

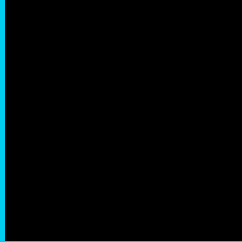
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9539, 0.2115, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 49.9539, 0.2115, 0.2812.

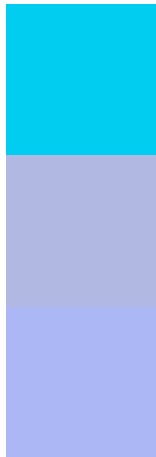


This preview shows how white text looks on a background with the Yxy color 49.9539, 0.2115, 0.2812.

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

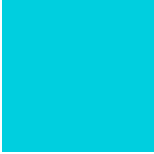
49.9604, 0.2115, 0.2813

Protanopia

49.0643, 0.2775, 0.2787

Deuteranopia

49.2302, 0.2614, 0.2552



Tritanopia

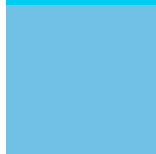
49.9534, 0.2184, 0.3062

Trichromacy



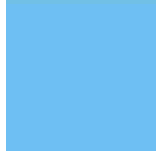
Original Color

49.9604, 0.2115, 0.2813



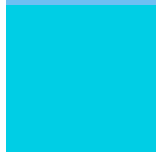
Protanomaly

46.9232, 0.2368, 0.2782



Deuteranomaly

47.0477, 0.2291, 0.2614



Tritanomaly

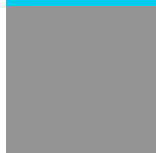
49.7998, 0.2158, 0.2967

Monochromacy



Original Color

49.9604, 0.2115, 0.2813



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.1450, 0.2471, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9539, 0.2115, 0.2812 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, 205, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 205, 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, 205, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 205, 240) }
```

Border

The CSS property to change the border of an element to Yxy 49.9539, 0.2115, 0.2812 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, 205, 240) }
```

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

```
.border{ border-color:rgb(1, 205, 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, 205, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 205, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 205, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 205,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9539, 0.2115, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 205, 240) }
```

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

```
.background{ background-color: rgb(1, 205,  
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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