

Converting Colors

$Y_{xy}(41.5080, 0.1468, 0.3146)$

Have a look what the booklet for
Yxy(41.5080, 0.1468, 0.3146)
contains.

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Color

Yxy(49.0489, 0.2211, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	01CED7
RGB	1, 206, 215
RGB Percent	0%, 81%, 84%
CMY	0.9970, 0.1922, 0.1570
CMYK	1.00, 0.04, 0.00, 0.16
HSL	183°, 99%, 42%
HSV	183°, 100%, 84%
XYZ	34.3404, 49.0489, 71.9270
YIQ	145.7310, -125.0690, -40.6610

Conversions

Conversions Part 2

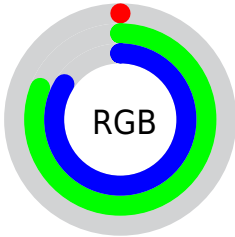
Format	Color
RYB	1, 106, 215
Decimal	118487
CIELab	75.48, -38.20, -16.46
CIELCh	75, 41.595, 203.306
Yxy	49.0489, 0.2211, 0.3158
Android (android.graphics.Color)	4278308567 (0xFF01CED7)
YUV	145.7310, 34.1496, -126.9291
Hunter-Lab	70.0349, -35.0366, -11.8673

Details

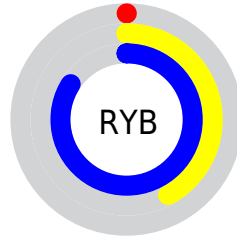
The Yxy color **49.0489, 0.2211, 0.3158** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.6555, 0.6371, 0.3320**, and the grayscale version is **28.4908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **24.6713, 0.2199, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **49.0306, 0.2211, 0.3158**, and if you desaturate by 10%, it is **49.6541, 0.2228, 0.3172**.

Distribution



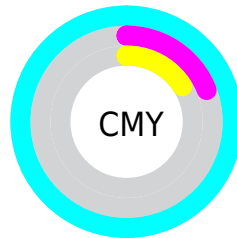
- Red (0%)
- Green (81%)
- Blue (84%)



- Red (0%)
- Yellow (42%)
- Blue (84%)



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





- Cyan (100%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0489, 0.2211, 0.3158 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 49.0489, 0.2211, 0.3158 by changing the saturation by 10% instead.


 49.0489, 0.2211,
0.3158

 49.0489, 0.2211,
0.3158


382.9348, 0.2649,
0.3239

 34.6583, 0.2109,
0.3134


 88.7641, 0.2365,
0.3190

 23.3998, 0.1981,
0.3101


 114.8574, 0.2424,
0.3202


 14.8890, 0.1820,
0.3054


 145.6204, 0.2475,
0.3211

 8.7415, 0.1608,
0.2982

 181.4376, 0.2519,
0.3218

 4.5730, 0.1325,
0.2866

 222.6932, 0.2558,
0.3225

 1.9990, 0.0927,
0.2661

269.7716, 0.2592,

 0.6069, 0.0000,

0.3230

0.2256

323.0574, 0.2622,
0.3235

■ 0.0000, 0.0000,
0.0000

■ 49.0489, 0.2211,
0.3158

■ 49.0489, 0.2211,
0.3158

■ 49.0306, 0.2211,
0.3158

■ 49.6541, 0.2228,
0.3172

■ 50.4480, 0.2260,
0.3186

■ 51.4901, 0.2311,
0.3200

■ 52.8141, 0.2380,
0.3214

■ 54.4483, 0.2469,
0.3228

■ 56.4174, 0.2575,
0.3242

■ 58.7440, 0.2698,
0.3255

■ 61.4482, 0.2833,
0.3268

■ 64.5490, 0.2979,
0.3279

Harmonies

Analogous

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



49.0489, 0.2551, 0.3741



49.0489, 0.2211, 0.3158



49.0489, 0.2103, 0.2690

Triad

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



49.0489, 0.2211, 0.3158



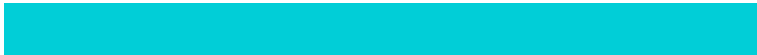
49.0489, 0.3108, 0.2563



49.0489, 0.4068, 0.4126

Complementary

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



49.0489, 0.2211, 0.3158



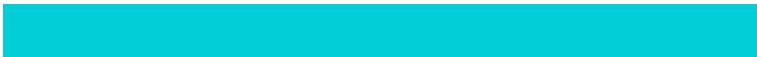
14.6555, 0.6371, 0.3320

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.



49.0489, 0.4267, 0.3737



49.0489, 0.2211, 0.3158



49.0489, 0.3689, 0.2879

Square

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



49.0489, 0.2211, 0.3158



49.0489, 0.2582, 0.2403



49.0489, 0.4131, 0.3293



49.0489, 0.3620, 0.4329

Rectangle

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



49.0489, 0.2211, 0.3158



49.0489, 0.2163, 0.2496



49.0489, 0.4131, 0.3293



49.0489, 0.4168, 0.4009

Sweetspot

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



49.0507, 0.2211, 0.3158



86.2364, 0.2689, 0.3254



48.6083, 0.2995, 0.5980



18.1351, 0.2636, 0.3249



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.



49.0507, 0.2211, 0.3158



72.1124, 0.2210, 0.3156



14.1631, 0.1739, 0.1457



14.0145, 0.2983, 0.3280



29.3755, 0.2211, 0.3160



1.8001, 0.2218, 0.3183

Inverse Universe

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



18.9151, 0.3317, 0.1602



27.8109, 0.3319, 0.1602



26.7065, 0.5317, 0.4158



12.6233, 0.3144, 0.3070



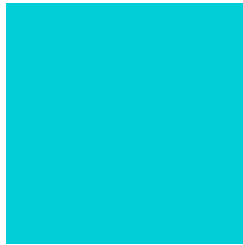
11.3103, 0.3316, 0.1600



0.6850, 0.3296, 0.1589

Previews

White Background



This preview shows how the Yxy color 49.0489, 0.2211, 0.3158 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 49.0489, 0.2211, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

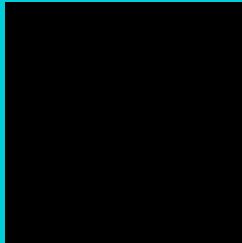
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

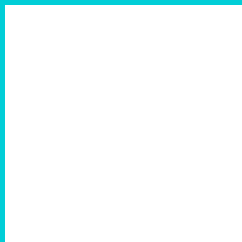
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0489, 0.2211, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 49.0489, 0.2211, 0.3158.



This preview shows how white text looks on a background with the Yxy color 49.0489, 0.2211, 0.3158.

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

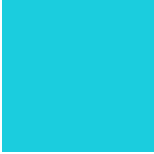
49.0554, 0.2211, 0.3158

Protanopia

48.1044, 0.2997, 0.3075

Deuteranopia

48.1773, 0.2860, 0.2790



Tritanopia

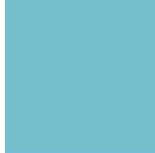
49.1696, 0.2198, 0.3047

Trichromacy



Original Color

49.0554, 0.2211, 0.3158



Protanomaly

45.4513, 0.2516, 0.3092



Deuteranomaly

45.3612, 0.2441, 0.2879



Tritanomaly

48.8963, 0.2201, 0.3088

Monochromacy



Original Color

49.0554, 0.2211, 0.3158



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.2727, 0.2518, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0489, 0.2211, 0.3158 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, 206, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 206, 215)  
}
```

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, 206, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 206, 215) }
```

Border

The CSS property to change the border of an element to Yxy 49.0489, 0.2211, 0.3158 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, 206, 215) }
```

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

```
.border{ border-color:rgb(1, 206, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 206, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 206, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 206, 215);  
box-shadow:4px 4px 4px 4px rgb(1, 206,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0489, 0.2211, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 206, 215) }
```

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

```
.background{ background-color: rgb(1, 206,  
215) }
```

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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