

Converting Colors

$Y_{xy}(48.2362, 0.2218, 0.3185)$

Have a look what the booklet for
Yxy(48.2362, 0.2218, 0.3185)
contains.

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Color

Yxy(48.4161, 0.2218, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	00CDD4
RGB	0, 205, 212
RGB Percent	0%, 80%, 83%
CMY	1.0000, 0.1960, 0.1687
CMYK	1.00, 0.03, 0.00, 0.17
HSL	182°, 100%, 42%
HSV	182°, 100%, 83%
XYZ	33.7059, 48.4161, 69.8432
YIQ	144.5030, -124.4270, -41.2830

Conversions

Conversions Part 2

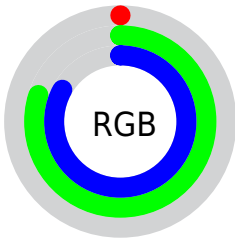
Format	Color
RYB	0, 104, 212
Decimal	52692
CIELab	75.09, -38.71, -15.44
CIELCh	75, 41.671, 201.747
Yxy	48.4161, 0.2218, 0.3186
Android (android.graphics.Color)	4278242772 (0xFF00CDD4)
YUV	144.5030, 33.2760, -126.7291
Hunter-Lab	69.5817, -35.3012, -10.8057

Details

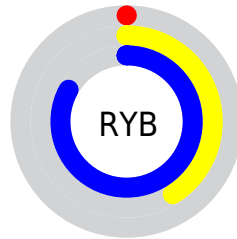
The Yxy color **48.4161, 0.2218, 0.3186** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.1456, 0.6381, 0.3316**, and the grayscale version is **28.0069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **24.2470, 0.2209, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **48.4225, 0.2218, 0.3186**, and if you desaturate by 10%, it is **48.9182, 0.2235, 0.3197**.

Distribution



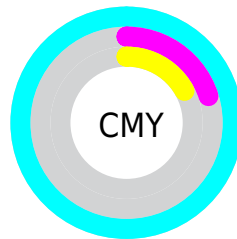
- Red (0%)
- Green (80%)
- Blue (83%)



- Red (0%)
- Yellow (41%)
- Blue (83%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4161, 0.2218, 0.3186 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 48.4161, 0.2218, 0.3186 by changing the saturation by 10% instead.


 48.4161, 0.2218,
0.3186


 48.4161, 0.2218,
0.3186

380.4391, 0.2654,
0.3253


 34.1565, 0.2116,
0.3165


 87.8236, 0.2372,
0.3213


 23.0139, 0.1988,
0.3137


 113.7403, 0.2431,
0.3223


 14.6037, 0.1826,
0.3095


 144.3116, 0.2482,
0.3230

 8.5418, 0.1613,
0.3030

 179.9217, 0.2525,
0.3236

 4.4435, 0.1326,
0.2923

 220.9551, 0.2564,
0.3241

 1.9246, 0.0912,
0.2732

267.7962, 0.2597,

 0.5631, 0.0000,

0.3246

0.2294

320.8294, 0.2627,
0.3249

■ 0.0000, 0.0000,
0.0000

■ 48.4161, 0.2218,
0.3186

■ 48.4161, 0.2218,
0.3186

■ 48.4225, 0.2218,
0.3186

■ 48.9182, 0.2235,
0.3197

■ 49.5928, 0.2265,
0.3207

■ 50.5057, 0.2314,
0.3218

■ 51.6894, 0.2382,
0.3230

■ 53.1714, 0.2468,
0.3241

■ 54.9759, 0.2573,
0.3251

■ 57.1244, 0.2694,
0.3262

■ 59.6368, 0.2829,
0.3272

■ 62.5312, 0.2974,
0.3281

Harmonies

Analogous

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



48.4161, 0.2571, 0.3773



48.4161, 0.2218, 0.3186



48.4161, 0.2097, 0.2705

Triad

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



48.4161, 0.2218, 0.3186



48.4161, 0.3077, 0.2547



48.4161, 0.4091, 0.4113

Complementary

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



48.4161, 0.2218, 0.3186



14.1456, 0.6381, 0.3316

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.



48.4161, 0.4276, 0.3717



48.4161, 0.2218, 0.3186



48.4161, 0.3664, 0.2857

Square

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



48.4161, 0.2218, 0.3186



48.4161, 0.2555, 0.2395



48.4161, 0.4120, 0.3270



48.4161, 0.3650, 0.4332

Rectangle

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



48.4161, 0.2218, 0.3186



48.4161, 0.2149, 0.2503



48.4161, 0.4120, 0.3270



48.4161, 0.4187, 0.3993

Sweetspot

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



48.4225, 0.2218, 0.3186



86.6706, 0.2690, 0.3262



47.0856, 0.2998, 0.5991



18.2409, 0.2637, 0.3257



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.



48.4225, 0.2218, 0.3186



73.5092, 0.2218, 0.3185



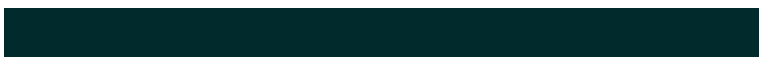
14.3455, 0.1752, 0.1507



14.0346, 0.2983, 0.3282



29.9298, 0.2219, 0.3188



1.8276, 0.2224, 0.3206

Inverse Universe

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



18.4029, 0.3294, 0.1588



27.9519, 0.3295, 0.1589



25.0438, 0.5371, 0.4117



12.6253, 0.3143, 0.3068



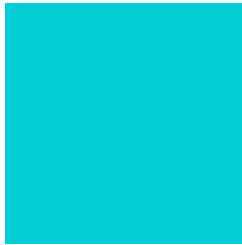
11.3663, 0.3292, 0.1587



0.6878, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 48.4161, 0.2218, 0.3186 looks on a white background.

Color Contrast Check

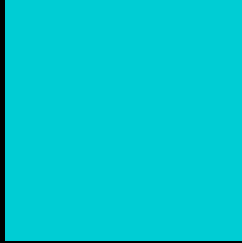
Large Text (above 18pt) WCAG AA × Fail

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 48.4161, 0.2218, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

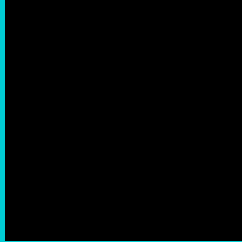
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4161, 0.2218, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 48.4161, 0.2218, 0.3186.

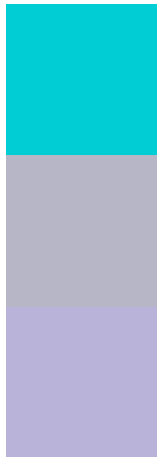


This preview shows how white text looks on a background with the Yxy color 48.4161, 0.2218, 0.3186.

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

48.4161, 0.2218, 0.3186

Protanopia

47.6004, 0.3012, 0.3087

Deuteranopia

47.6164, 0.2881, 0.2812



Tritanopia

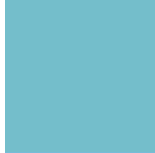
48.6142, 0.2204, 0.3060

Trichromacy



Original Color

48.4161, 0.2218, 0.3186



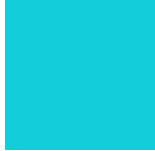
Protanomaly

44.8517, 0.2519, 0.3104



Deuteranomaly

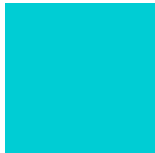
44.7759, 0.2454, 0.2903



Tritanomaly

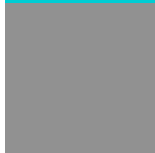
48.3241, 0.2205, 0.3101

Monochromacy



Original Color

48.4161, 0.2218, 0.3186



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.7773, 0.2522, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4161, 0.2218, 0.3186 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, 205, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 212)  
}
```

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, 205, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 212) }
```

Border

The CSS property to change the border of an element to Yxy 48.4161, 0.2218, 0.3186 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, 205, 212) }
```

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

```
.border{ border-color:rgb(0, 205, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4161, 0.2218, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 212) }
```

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

```
.background{ background-color: rgb(0, 205,  
212) }
```

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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