

Converting Colors

$Y_{xy}(48.6303, 0.2408, 0.3867)$

Have a look what the booklet for
Yxy(48.6303, 0.2408, 0.3867)
contains.

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Color

Yxy(48.5859, 0.2408, 0.3867)

Conversions

Conversions Part 1

Format	Color
Hex	01D1AC
RGB	1, 209, 172
RGB Percent	0%, 82%, 67%
CMY	0.9972, 0.1804, 0.3256
CMYK	1.00, 0.00, 0.18, 0.18
HSL	169°, 99%, 41%
HSV	169°, 100%, 82%
XYZ	30.2547, 48.5859, 46.8018
YIQ	142.5900, -112.0910, -55.6030

Conversions

Conversions Part 2

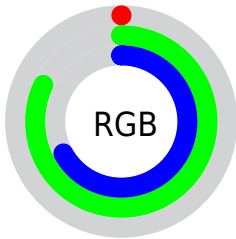
Format	Color
RYB	1, 115, 209
Decimal	119212
CIELab	75.19, -51.68, 6.29
CIELCh	75, 52.062, 173.059
Yxy	48.5859, 0.2408, 0.3867
Android (android.graphics.Color)	4278309292 (0xFF01D1AC)
YUV	142.5900, 14.4991, -124.1744
Hunter-Lab	69.7036, -44.5038, 8.9828

Details

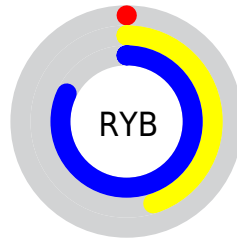
The Yxy color **48.5859, 0.2408, 0.3867** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.7105, 0.6139, 0.3158**, and the grayscale version is **27.2364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0693, 0.2512, 0.3628**, and **24.1385, 0.2440, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **48.5783, 0.2408, 0.3869**, and if you desaturate by 10%, it is **48.8942, 0.2406, 0.3804**.

Distribution



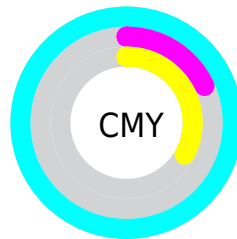
- Red (0%)
- Green (82%)
- Blue (67%)



- Red (0%)
- Yellow (45%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5859, 0.2408, 0.3867 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 48.5859, 0.2408, 0.3867 by changing the saturation by 10% instead.


 48.5859, 0.2408,
0.3867


 48.5859, 0.2408,
0.3867


381.1098, 0.2766,
0.3574


 34.2911, 0.2320,
0.3942


 88.0761, 0.2537,
0.3759

 23.1173, 0.2207,
0.4038

 114.0403, 0.2586,
0.3719

 14.6802, 0.2059,
0.4167


 144.6631, 0.2628,
0.3685

 8.5952, 0.1857,
0.4350

 180.3289, 0.2663,
0.3656

 4.4781, 0.1566,
0.4623

 221.4221, 0.2694,
0.3631

 1.9444, 0.0901,
0.5200

268.3270, 0.2721,

 0.5749, 0.0000,

0.3610

0.7555

321.4281, 0.2745,
0.3591

■ 0.0000, 0.0000,
0.0000

■ 48.5859, 0.2408,
0.3867

■ 48.5859, 0.2408,
0.3867

■ 48.5783, 0.2408,
0.3869

■ 48.8942, 0.2406,
0.3804

■ 49.3799, 0.2420,
0.3739

■ 50.1001, 0.2453,
0.3675

■ 51.0861, 0.2506,
0.3612

■ 52.3641, 0.2577,
0.3550

■ 53.9575, 0.2665,
0.3490

■ 55.8871, 0.2767,
0.3434

■ 58.1720, 0.2881,
0.3381

■ 60.8297, 0.3003,
0.3333

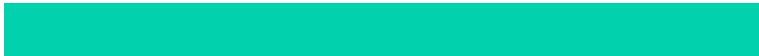
Harmonies

Analogous

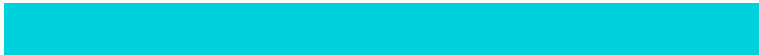
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5859, 0.3035, 0.4466



48.5859, 0.2408, 0.3867



48.5859, 0.2003, 0.3112

Triad

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



48.5859, 0.2408, 0.3867



48.5859, 0.2445, 0.2210



48.5859, 0.4549, 0.3804

Complementary

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



48.5859, 0.2408, 0.3867



13.7105, 0.6139, 0.3158

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.



48.5859, 0.4386, 0.3268



48.5859, 0.2408, 0.3867



48.5859, 0.3088, 0.2403

Square

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



48.5859, 0.2408, 0.3867



48.5859, 0.2031, 0.2242



48.5859, 0.3823, 0.2776



48.5859, 0.4285, 0.4299

Rectangle

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



48.5859, 0.2408, 0.3867



48.5859, 0.1889, 0.2697



48.5859, 0.3823, 0.2776



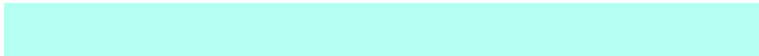
48.5859, 0.4546, 0.3625

Sweetspot

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



48.5878, 0.2408, 0.3867



87.4190, 0.2759, 0.3438



46.0364, 0.3057, 0.5953



18.4243, 0.2715, 0.3461



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.



48.5878, 0.2408, 0.3867



76.1565, 0.2410, 0.3876



24.2683, 0.1950, 0.2216



13.3695, 0.3006, 0.3332



29.9622, 0.2406, 0.3860



1.6850, 0.2373, 0.3743

Inverse Universe

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



13.7105, 0.6139, 0.3158



21.4520, 0.6169, 0.3172



17.5340, 0.5926, 0.3673



11.8421, 0.3263, 0.3249



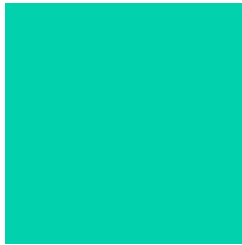
8.4511, 0.6117, 0.3144



0.4832, 0.5629, 0.2874

Previews

White Background



This preview shows how the Yxy color 48.5859, 0.2408, 0.3867 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 48.5859, 0.2408, 0.3867 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

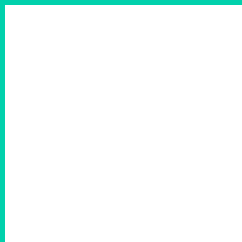
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5859, 0.2408, 0.3867

Background



This preview shows how black text looks on a background with the Yxy color 48.5859, 0.2408, 0.3867.

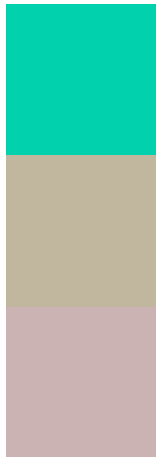


This preview shows how white text looks on a background with the Yxy color 48.5859, 0.2408, 0.3867.

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

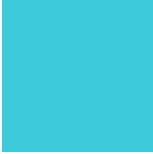
48.5859, 0.2408, 0.3867

Protanopia

47.7076, 0.3410, 0.3600

Deuteranopia

47.7920, 0.3340, 0.3278



Tritanopia

48.8184, 0.2262, 0.3062

Trichromacy



Original Color

48.5859, 0.2408, 0.3867



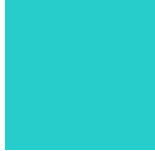
Protanomaly

44.5906, 0.2804, 0.3708



Deuteranomaly

44.1969, 0.2762, 0.3479



Tritanomaly

48.3582, 0.2296, 0.3332

Monochromacy



Original Color

48.5859, 0.2408, 0.3867



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.1947, 0.2614, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5859, 0.2408, 0.3867 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, 209, 172)` looks like.

```
.text, #text, p{  
    color:rgb(1, 209, 172)  
}
```

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, 209, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 209, 172) }
```

Border

The CSS property to change the border of an element to Yxy 48.5859, 0.2408, 0.3867 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, 209, 172) }
```

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

```
.border{ border-color:rgb(1, 209, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 209, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 209, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 209, 172);  
box-shadow:4px 4px 4px 4px rgb(1, 209,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5859, 0.2408, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 209, 172) }
```

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

```
.background{ background-color: rgb(1, 209,  
172) }
```

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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