

Converting Colors

$Y_{xy}(49.1883, 0.2398, 0.3831)$

Have a look what the booklet for
Yxy(49.1883, 0.2398, 0.3831)
contains.

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Color

Yxy(49.1948, 0.2398, 0.3831)

Conversions

Conversions Part 1

Format	Color
Hex	01D2AF
RGB	1, 210, 175
RGB Percent	0%, 82%, 69%
CMY	0.9971, 0.1764, 0.3138
CMYK	1.00, 0.00, 0.17, 0.18
HSL	170°, 99%, 41%
HSV	170°, 100%, 82%
XYZ	30.7933, 49.1948, 48.4243
YIQ	143.5190, -113.3290, -55.1930

Conversions

Conversions Part 2

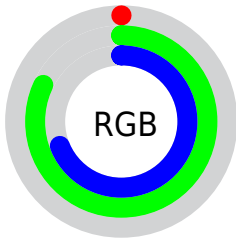
Format	Color
RYB	1, 115, 210
Decimal	119471
CIELab	75.57, -51.30, 5.22
CIELCh	76, 51.566, 174.189
Yxy	49.1948, 0.2398, 0.3831
Android (android.graphics.Color)	4278309551 (0xFF01D2AF)
YUV	143.5190, 15.5201, -124.9892
Hunter-Lab	70.1390, -44.3760, 8.1632

Details

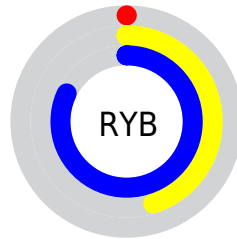
The Yxy color **49.1948, 0.2398, 0.3831** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.8445, 0.6163, 0.3172**, and the grayscale version is **27.6245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2364, 0.2500, 0.3590**, and **24.5413, 0.2427, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **49.1872, 0.2398, 0.3833**, and if you desaturate by 10%, it is **49.4994, 0.2397, 0.3772**.

Distribution



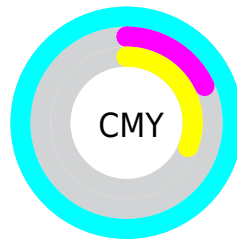
- Red (0%)
- Green (82%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1948, 0.2398, 0.3831 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 49.1948, 0.2398, 0.3831 by changing the saturation by 10% instead.


 49.1948, 0.2398,
0.3831


 49.1948, 0.2398,
0.3831


383.5087, 0.2759,
0.3558

 34.7740, 0.2309,
0.3900


 88.9807, 0.2528,
0.3731


 23.4889, 0.2197,
0.3989


 115.1146, 0.2577,
0.3694


 14.9549, 0.2049,
0.4107


 145.9217, 0.2619,
0.3662

 8.7877, 0.1848,
0.4272

 181.7864, 0.2655,
0.3635

 4.6030, 0.1561,
0.4518

 223.0930, 0.2686,
0.3612

 2.0163, 0.0960,
0.5010

270.2260, 0.2714,

 0.6169, 0.0000,

0.3592

0.6680

323.5698, 0.2738,
0.3574

■ 0.0000, 0.0000,
0.0000

■ 49.1948, 0.2398,
0.3831

■ 49.1948, 0.2398,
0.3831

■ 49.1872, 0.2398,
0.3833

■ 49.4994, 0.2397,
0.3772

■ 49.9832, 0.2412,
0.3712

■ 50.7036, 0.2446,
0.3652

■ 51.6922, 0.2499,
0.3592

■ 52.9758, 0.2571,
0.3534

■ 54.5778, 0.2660,
0.3478

■ 56.5194, 0.2763,
0.3425

■ 58.8198, 0.2878,
0.3376

■ 61.4968, 0.3002,
0.3330

Harmonies

Analogous

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



49.1948, 0.3011, 0.4434



49.1948, 0.2398, 0.3831



49.1948, 0.2007, 0.3090

Triad

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



49.1948, 0.2398, 0.3831



49.1948, 0.2474, 0.2226



49.1948, 0.4528, 0.3820

Complementary

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



49.1948, 0.2398, 0.3831



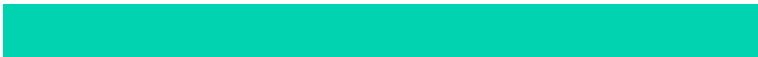
13.8445, 0.6163, 0.3172

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.



49.1948, 0.4383, 0.3290



49.1948, 0.2398, 0.3831



49.1948, 0.3116, 0.2424

Square

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



49.1948, 0.2398, 0.3831



49.1948, 0.2054, 0.2249



49.1948, 0.3839, 0.2800



49.1948, 0.4255, 0.4304

Rectangle

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



49.1948, 0.2398, 0.3831



49.1948, 0.1901, 0.2687



49.1948, 0.3839, 0.2800



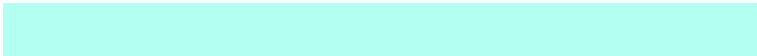
49.1948, 0.4530, 0.3643

Sweetspot

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



49.1967, 0.2398, 0.3831



87.4670, 0.2755, 0.3429



46.5320, 0.3057, 0.5953



18.4359, 0.2710, 0.3451



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.



49.1967, 0.2398, 0.3831



76.2902, 0.2400, 0.3840



24.5251, 0.1950, 0.2216



13.3717, 0.3005, 0.3329



30.0137, 0.2396, 0.3824



1.6874, 0.2365, 0.3715

Inverse Universe

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



13.8445, 0.6163, 0.3172



21.4320, 0.6192, 0.3185



17.7189, 0.5926, 0.3673



11.8401, 0.3265, 0.3251



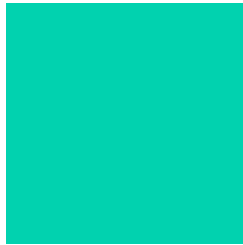
8.4424, 0.6142, 0.3157



0.4823, 0.5667, 0.2896

Previews

White Background



This preview shows how the Yxy color 49.1948, 0.2398, 0.3831 looks on a white background.

Color Contrast Check

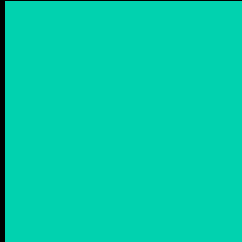
Large Text (above 18pt) WCAG AA × Fail

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 49.1948, 0.2398, 0.3831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

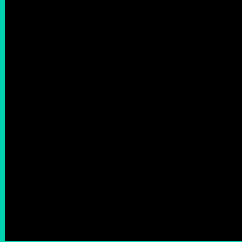
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

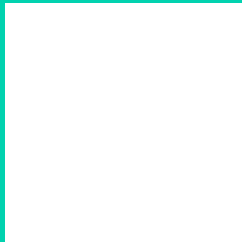
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1948, 0.2398, 0.3831

Background



This preview shows how black text looks on a background with the Yxy color 49.1948, 0.2398, 0.3831.

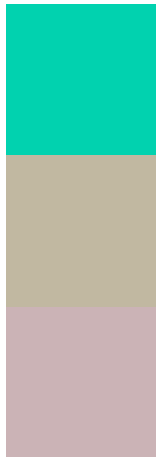


This preview shows how white text looks on a background with the Yxy color 49.1948, 0.2398, 0.3831.

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

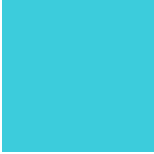
49.1948, 0.2398, 0.3831

Protanopia

48.1916, 0.3391, 0.3586

Deuteranopia

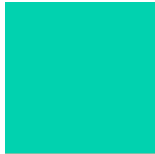
48.3141, 0.3313, 0.3254



Tritanopia

49.3137, 0.2259, 0.3063

Trichromacy



Original Color

49.1948, 0.2398, 0.3831



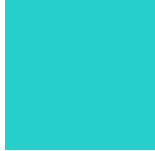
Protanomaly

45.1041, 0.2792, 0.3691



Deuteranomaly

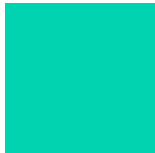
44.7487, 0.2744, 0.3449



Tritanomaly

48.9143, 0.2290, 0.3317

Monochromacy



Original Color

49.1948, 0.2398, 0.3831



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.2281, 0.2607, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1948, 0.2398, 0.3831 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, 210, 175)` looks like.

```
.text, #text, p{  
    color:rgb(1, 210, 175)  
}
```

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, 210, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 210, 175) }
```

Border

The CSS property to change the border of an element to Yxy 49.1948, 0.2398, 0.3831 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, 210, 175) }
```

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

```
.border{ border-color:rgb(1, 210, 175) }
```

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

Here you see how a box with a 4 pixel rgb(1, 210, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 210, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 210, 175);  
box-shadow:4px 4px 4px 4px rgb(1, 210,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1948, 0.2398, 0.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 210, 175) }
```

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

```
.background{ background-color: rgb(1, 210,  
175) }
```

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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