

Converting Colors

$Y_{xy}(40.6796, 0.2134, 0.3978)$

Have a look what the booklet for
Yxy(40.6796, 0.2134, 0.3978)
contains.

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Color

Yxy(43.3849, 0.2425, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	00C7A0
RGB	0, 199, 160
RGB Percent	0%, 78%, 63%
CMY	1.0000, 0.2196, 0.3726
CMYK	1.00, 0.00, 0.20, 0.22
HSL	168°, 100%, 39%
HSV	168°, 100%, 78%
XYZ	26.7638, 43.3849, 40.2174
YIQ	135.0530, -106.0850, -54.3170

Conversions

Conversions Part 2

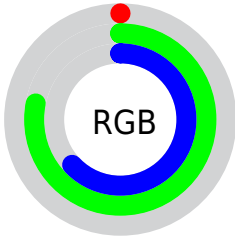
Format	Color
RYB	0, 110, 199
Decimal	51104
CIELab	71.82, -50.79, 7.91
CIELCh	72, 51.404, 171.151
Yxy	43.3849, 0.2425, 0.3931
Android (android.graphics.Color)	4278241184 (0xFF00C7A0)
YUV	135.0530, 12.2989, -118.4415
Hunter-Lab	65.8672, -42.7379, 9.9056

Details

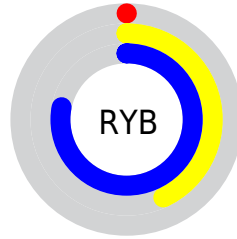
The Yxy color **43.3849, 0.2425, 0.3931** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2901, 0.6096, 0.3132**, and the grayscale version is **24.2341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1930, 0.2550, 0.3783**, and **21.0506, 0.2466, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **43.3893, 0.2425, 0.3931**, and if you desaturate by 10%, it is **43.6757, 0.2422, 0.3860**.

Distribution



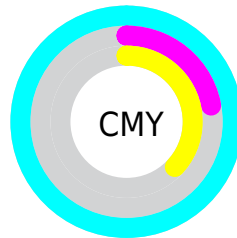
- Red (0%)
- Green (78%)
- Blue (63%)



- Red (0%)
- Yellow (43%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3849, 0.2425, 0.3931 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 43.3849, 0.2425, 0.3931 by changing the saturation by 10% instead.


 43.3849, 0.2425,
0.3931


 43.3849, 0.2425,
0.3931


360.1923, 0.2783,
0.3596

 30.1872, 0.2334,
0.4019

 80.2914, 0.2556,
0.3806

 19.9807, 0.2217,
0.4135


 104.7690, 0.2605,
0.3760


 12.3810, 0.2059,
0.4293


 133.7753, 0.2647,
0.3722

 7.0037, 0.1839,
0.4522

 167.6948, 0.2682,
0.3689

 3.4644, 0.1513,
0.4881

 206.9119, 0.2712,
0.3661

 1.3787, 0.0015,
0.6118

251.8109, 0.2739,

 0.2010, 0.0000,

0.3637

1.0000

302.7762, 0.2762,
0.3615

■ 0.0000, 0.0000,
0.0000

■ 43.3849, 0.2425,
0.3931

■ 43.3849, 0.2425,
0.3931

■ 43.3893, 0.2425,
0.3931

■ 43.6757, 0.2422,
0.3860

■ 44.1182, 0.2434,
0.3789

■ 44.7699, 0.2466,
0.3718

■ 45.6586, 0.2516,
0.3648

■ 46.8077, 0.2585,
0.3579

■ 48.2380, 0.2671,
0.3513

■ 49.9679, 0.2771,
0.3451

■ 52.0144, 0.2882,
0.3392

■ 54.3933, 0.3002,
0.3339

Harmonies

Analogous

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



43.3849, 0.3075, 0.4524



43.3849, 0.2425, 0.3931



43.3849, 0.1995, 0.3151

Triad

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



43.3849, 0.2425, 0.3931



43.3849, 0.2394, 0.2182



43.3849, 0.4587, 0.3776

Complementary

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



43.3849, 0.2425, 0.3931



12.2901, 0.6096, 0.3132

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.



43.3849, 0.4392, 0.3231



43.3849, 0.2425, 0.3931



43.3849, 0.3039, 0.2365

Square

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



43.3849, 0.2425, 0.3931



43.3849, 0.1989, 0.2229



43.3849, 0.3794, 0.2736



43.3849, 0.4339, 0.4290

Rectangle

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



43.3849, 0.2425, 0.3931



43.3849, 0.1868, 0.2716



43.3849, 0.3794, 0.2736



43.3849, 0.4574, 0.3593

Sweetspot

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



43.3893, 0.2425, 0.3931



87.3356, 0.2766, 0.3453



41.2987, 0.3066, 0.5947



18.4041, 0.2722, 0.3480



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.



43.3893, 0.2425, 0.3931



75.9281, 0.2428, 0.3941



22.6783, 0.1966, 0.2276



12.0305, 0.3009, 0.3336



27.9097, 0.2423, 0.3921



1.3309, 0.2382, 0.3774

Inverse Universe

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



12.2901, 0.6096, 0.3132



21.4902, 0.6125, 0.3148



15.3442, 0.5970, 0.3642



10.6704, 0.3259, 0.3245



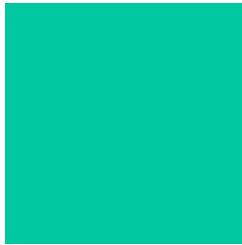
7.9119, 0.6066, 0.3115



0.3850, 0.5490, 0.2798

Previews

White Background



This preview shows how the Yxy color 43.3849, 0.2425, 0.3931 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 43.3849, 0.2425, 0.3931 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 43.3849, 0.2425, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 43.3849, 0.2425, 0.3931.



This preview shows how white text looks on a background with the Yxy color 43.3849, 0.2425, 0.3931.

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

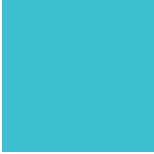
43.3849, 0.2425, 0.3931

Protanopia

42.5690, 0.3450, 0.3656

Deuteranopia

42.6353, 0.3377, 0.3317



Tritanopia

43.2140, 0.2266, 0.3051

Trichromacy



Original Color

43.3849, 0.2425, 0.3931



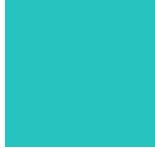
Protanomaly

39.9159, 0.2833, 0.3777



Deuteranomaly

39.5338, 0.2789, 0.3535



Tritanomaly

43.2039, 0.2304, 0.3350

Monochromacy



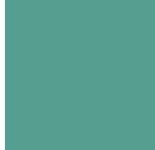
Original Color

43.3849, 0.2425, 0.3931



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.4458, 0.2627, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3849, 0.2425, 0.3931 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, 199, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 160)  
}
```

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, 199, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 160) }
```

Border

The CSS property to change the border of an element to Yxy 43.3849, 0.2425, 0.3931 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, 199, 160) }
```

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

```
.border{ border-color:rgb(0, 199, 160) }
```

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

Here you see how a box with a 4 pixel rgb(0, 199, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3849, 0.2425, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 160) }
```

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

```
.background{ background-color: rgb(0, 199,  
160) }
```

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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