

Converting Colors

$Y_{xy}(43.3097, 0.2429, 0.3944)$

Have a look what the booklet for
Yxy(43.3097, 0.2429, 0.3944)
contains.

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Color

Yxy(43.3501, 0.2430, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	00C79F
RGB	0, 199, 159
RGB Percent	0%, 78%, 62%
CMY	1.0000, 0.2196, 0.3764
CMYK	1.00, 0.00, 0.20, 0.22
HSL	168°, 100%, 39%
HSV	168°, 100%, 78%
XYZ	26.6821, 43.3501, 39.7705
YIQ	134.9390, -105.7640, -54.6280

Conversions

Conversions Part 2

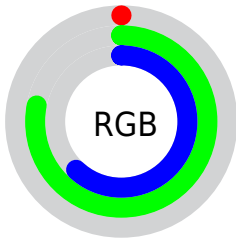
Format	Color
RYB	0, 111, 199
Decimal	51103
CIELab	71.79, -51.02, 8.40
CIELCh	72, 51.712, 170.651
Yxy	43.3501, 0.2430, 0.3948
Android (android.graphics.Color)	4278241183 (0xFF00C79F)
YUV	134.9390, 11.8621, -118.3415
Hunter-Lab	65.8408, -42.8841, 10.2750

Details

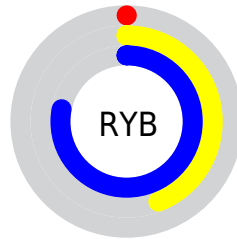
The Yxy color **43.3501, 0.2430, 0.3948** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2956, 0.6083, 0.3125**, and the grayscale version is **24.1907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1417, 0.2555, 0.3796**, and **21.0292, 0.2472, 0.4100** is the 20% darker color. If you saturate the color by 10%, you get **43.3521, 0.2430, 0.3948**, and if you desaturate by 10%, it is **43.6409, 0.2426, 0.3876**.

Distribution



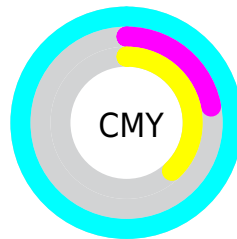
- Red (0%)
- Green (78%)
- Blue (62%)



- Red (0%)
- Yellow (44%)
- Blue (78%)



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





- Cyan (100%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3501, 0.2430, 0.3948 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 43.3501, 0.2430, 0.3948 by changing the saturation by 10% instead.


 43.3501, 0.2430,
0.3948


 43.3501, 0.2430,
0.3948


360.0496, 0.2786,
0.3604


 30.1599, 0.2339,
0.4039


 80.2389, 0.2561,
0.3819

 19.9600, 0.2222,
0.4158


 104.7063, 0.2609,
0.3772


 12.3660, 0.2065,
0.4322


 133.7016, 0.2650,
0.3733

 6.9934, 0.1845,
0.4559

 167.6091, 0.2685,
0.3699

 3.4580, 0.1518,
0.4932

 206.8133, 0.2716,
0.3670

 1.3753, 0.0000,
0.6225

251.6985, 0.2742,


 0.1984, 0.0000,


0.3645


1.0000

302.6491, 0.2765,
0.3623

 0.0000, 0.0000,
0.0000

 43.3501, 0.2430,
0.3948


 43.3501, 0.2430,
0.3948

 43.3521, 0.2430,
0.3948

 43.6409, 0.2426,
0.3876

 44.0860, 0.2438,
0.3802

 44.7404, 0.2469,
0.3729

 45.6320, 0.2519,
0.3657

 46.7843, 0.2588,
0.3586

■ 48.2179, 0.2673,
0.3519

■ 49.9514, 0.2773,
0.3455

■ 52.0017, 0.2883,
0.3395

■ 54.3845, 0.3003,
0.3340

Harmonies

Analogous

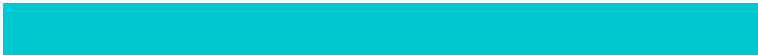
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3501, 0.3086, 0.4539



43.3501, 0.2430, 0.3948



43.3501, 0.1994, 0.3162

Triad

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



43.3501, 0.2430, 0.3948



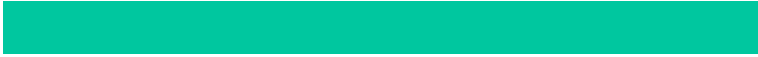
43.3501, 0.2381, 0.2175



43.3501, 0.4596, 0.3769

Complementary

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



43.3501, 0.2430, 0.3948



12.2956, 0.6083, 0.3125

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.



43.3501, 0.4393, 0.3221



43.3501, 0.2430, 0.3948



43.3501, 0.3026, 0.2355

Square

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



43.3501, 0.2430, 0.3948



43.3501, 0.1978, 0.2226



43.3501, 0.3786, 0.2725



43.3501, 0.4353, 0.4287

Rectangle

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



43.3501, 0.2430, 0.3948



43.3501, 0.1863, 0.2722



43.3501, 0.3786, 0.2725



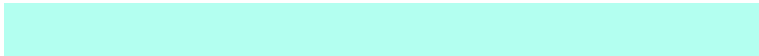
43.3501, 0.4581, 0.3585

Sweetspot

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



43.3521, 0.2430, 0.3948



87.3135, 0.2768, 0.3457



41.3643, 0.3076, 0.5939



18.3988, 0.2724, 0.3484



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.



43.3521, 0.2430, 0.3948



75.8685, 0.2433, 0.3958



23.6543, 0.1982, 0.2336



12.0296, 0.3010, 0.3337



27.8882, 0.2427, 0.3938



1.3301, 0.2385, 0.3787

Inverse Universe

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



12.2956, 0.6083, 0.3125



21.5011, 0.6113, 0.3141



15.0082, 0.6010, 0.3610



10.6712, 0.3258, 0.3244



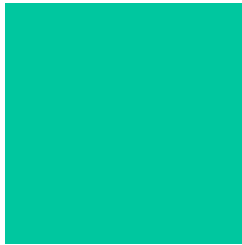
7.9163, 0.6052, 0.3108



0.3854, 0.5472, 0.2788

Previews

White Background



This preview shows how the Yxy color 43.3501, 0.2430, 0.3948 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 43.3501, 0.2430, 0.3948 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 43.3501, 0.2430, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 43.3501, 0.2430, 0.3948.

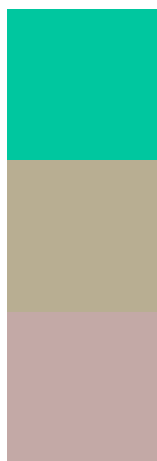


This preview shows how white text looks on a background with the Yxy color 43.3501, 0.2430, 0.3948.

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

43.3501, 0.2430, 0.3948

Protanopia

42.5378, 0.3459, 0.3670

Deuteranopia

42.7312, 0.3396, 0.3330



Tritanopia

43.2140, 0.2266, 0.3051

Trichromacy



Original Color

43.3501, 0.2430, 0.3948



Protanomaly

39.8832, 0.2840, 0.3793



Deuteranomaly

39.5719, 0.2803, 0.3550



Tritanomaly

43.1600, 0.2309, 0.3365

Monochromacy



Original Color

43.3501, 0.2430, 0.3948



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 43.3501, 0.2430, 0.3948 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 159) }
```

Border

The CSS property to change the border of an element to Yxy 43.3501, 0.2430, 0.3948 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, 159) }
```

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

```
.border{ border-color:rgb(0, 199, 159) }
```

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, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3501, 0.2430, 0.3948 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, 159) }
```

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

```
.background{ background-color: rgb(0, 199,  
159) }
```

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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