

Converting Colors

$Y_{xy}(39.2351, 0.2222, 0.3976)$

Have a look what the booklet for
Yxy(39.2351, 0.2222, 0.3976)
contains.

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Color

Yxy(40.9501, 0.2430, 0.3947)

Conversions

Conversions Part 1

Format	Color
Hex	00C29B
RGB	0, 194, 155
RGB Percent	0%, 76%, 61%
CMY	0.9988, 0.2392, 0.3921
CMYK	1.00, 0.00, 0.20, 0.24
HSL	168°, 100%, 38%
HSV	168°, 100%, 76%
XYZ	25.2112, 40.9501, 37.5886
YIQ	131.5480, -103.1050, -53.2570

Conversions

Conversions Part 2

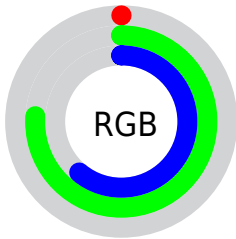
Format	Color
RYB	0, 108, 194
Decimal	49819
CIELab	70.14, -50.04, 8.22
CIELCh	70, 50.708, 170.674
Yxy	40.9501, 0.2430, 0.3947
Android (android.graphics.Color)	4278239899 (0xFF00C29B)
YUV	131.5480, 11.5618, -115.3676
Hunter-Lab	63.9923, -41.6623, 9.9681

Details

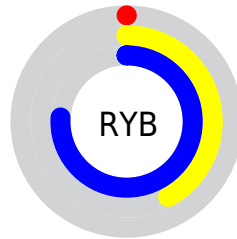
The Yxy color **40.9501, 0.2430, 0.3947** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.6243, 0.6074, 0.3121**, and the grayscale version is **22.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3071, 0.2564, 0.3817**, and **19.4647, 0.2473, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **40.9476, 0.2430, 0.3948**, and if you desaturate by 10%, it is **41.2287, 0.2427, 0.3874**.

Distribution



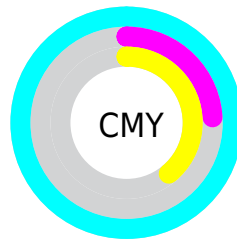
- Red (0%)
- Green (76%)
- Blue (61%)



- Red (0%)
- Yellow (42%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9501, 0.2430, 0.3947 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 40.9501, 0.2430, 0.3947 by changing the saturation by 10% instead.


 40.9501, 0.2430,
0.3947

 40.9501, 0.2430,
0.3947


350.1120, 0.2789,
0.3600


 28.2801, 0.2337,
0.4040


 76.6081, 0.2563,
0.3817


 18.5369, 0.2217,
0.4162


 100.3650, 0.2612,
0.3769

 11.3361, 0.2055,
0.4331

 128.5862, 0.2653,
0.3729

 6.2934, 0.1825,
0.4580

 161.6562, 0.2688,
0.3696

 3.0243, 0.1479,
0.4976

 199.9594, 0.2719,
0.3667

 1.1444, 0.0000,
0.6385

243.8802, 0.2745,

 0.0156, 0.0000,

0.3642

1.0000

293.8029, 0.2768,
0.3620

■ 0.0000, 0.0000,
0.0000

■ 40.9501, 0.2430,
0.3947

■ 40.9501, 0.2430,
0.3947

■ 40.9476, 0.2430,
0.3948

■ 41.2287, 0.2427,
0.3874

■ 41.6542, 0.2439,
0.3801

■ 42.2775, 0.2470,
0.3728

■ 43.1248, 0.2521,
0.3656

■ 44.2181, 0.2590,
0.3585

■ 45.5766, 0.2676,
0.3518

■ 47.2178, 0.2775,
0.3454

■ 49.1575, 0.2886,
0.3394

■ 51.4105, 0.3005,
0.3339

Harmonies

Analogous

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



40.9501, 0.3085, 0.4537



40.9501, 0.2430, 0.3947



40.9501, 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.



40.9501, 0.2430, 0.3947



40.9501, 0.2382, 0.2176



40.9501, 0.4595, 0.3769

Complementary

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



40.9501, 0.2430, 0.3947



11.6243, 0.6074, 0.3121

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.



40.9501, 0.4392, 0.3222



40.9501, 0.2430, 0.3947



40.9501, 0.3027, 0.2356

Square

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



40.9501, 0.2430, 0.3947



40.9501, 0.1979, 0.2227



40.9501, 0.3786, 0.2726



40.9501, 0.4352, 0.4287

Rectangle

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



40.9501, 0.2430, 0.3947



40.9501, 0.1863, 0.2722



40.9501, 0.3786, 0.2726



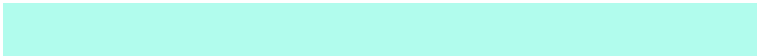
40.9501, 0.4580, 0.3585

Sweetspot

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



40.9517, 0.2430, 0.3947



85.3438, 0.2769, 0.3458



39.0816, 0.3078, 0.5937



18.3984, 0.2725, 0.3485



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.



40.9517, 0.2430, 0.3947



74.1506, 0.2433, 0.3959



22.3968, 0.1983, 0.2339



11.3926, 0.3011, 0.3337



26.9343, 0.2427, 0.3938



1.1728, 0.2382, 0.3777

Inverse Universe

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



11.6243, 0.6074, 0.3121



21.0170, 0.6111, 0.3140



14.2200, 0.6003, 0.3613



10.1103, 0.3258, 0.3244



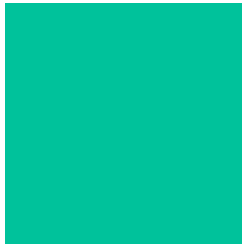
7.6469, 0.6049, 0.3106



0.3404, 0.5431, 0.2765

Previews

White Background



This preview shows how the Yxy color 40.9501, 0.2430, 0.3947 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 40.9501, 0.2430, 0.3947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

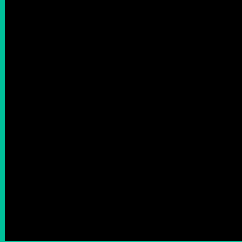
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9501, 0.2430, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 40.9501, 0.2430, 0.3947.

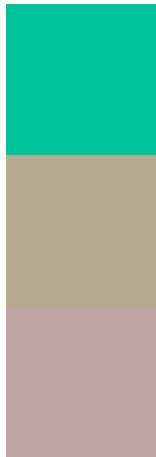


This preview shows how white text looks on a background with the Yxy color 40.9501, 0.2430, 0.3947.

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

40.9501, 0.2430, 0.3947

Protanopia

40.3163, 0.3447, 0.3665

Deuteranopia

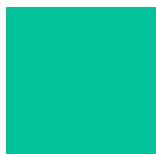
40.1067, 0.3394, 0.3317



Tritanopia

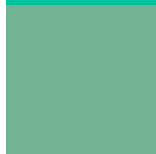
41.2080, 0.2271, 0.3061

Trichromacy



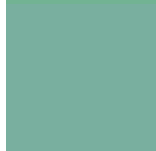
Original Color

40.9501, 0.2430, 0.3947



Protanomaly

37.9242, 0.2842, 0.3805



Deuteranomaly

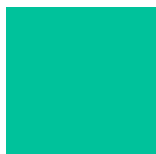
37.2281, 0.2803, 0.3541



Tritanomaly

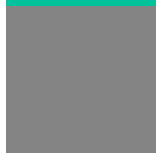
40.7842, 0.2307, 0.3351

Monochromacy



Original Color

40.9501, 0.2430, 0.3947



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.2210, 0.2635, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9501, 0.2430, 0.3947 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, 194, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 155)  
}
```

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, 194, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 155) }
```

Border

The CSS property to change the border of an element to Yxy 40.9501, 0.2430, 0.3947 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, 194, 155) }
```

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

```
.border{ border-color:rgb(0, 194, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9501, 0.2430, 0.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 155) }
```

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

```
.background{ background-color: rgb(0, 194,  
155) }
```

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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