

Converting Colors

$Yxy(39.6818, 0.1876, 0.3997)$

Have a look what the booklet for
Yxy(39.6818, 0.1876, 0.3997)
contains.

Yxy(44.3819, 0.2423, 0.3924)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.3819, 0.2423, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	00C9A2
RGB	0, 201, 162
RGB Percent	0%, 79%, 64%
CMY	1.0000, 0.2117, 0.3646
CMYK	1.00, 0.00, 0.19, 0.21
HSL	168°, 100%, 39%
HSV	168°, 100%, 79%
XYZ	27.4050, 44.3819, 41.3168
YIQ	136.4550, -107.2770, -54.7410

Conversions

Conversions Part 2

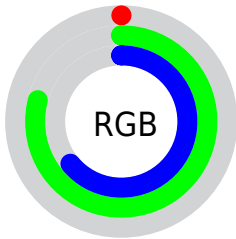
Format	Color
RYB	0, 111, 201
Decimal	51618
CIELab	72.48, -51.07, 7.76
CIELCh	72, 51.660, 171.358
Yxy	44.3819, 0.2423, 0.3924
Android (android.graphics.Color)	4278241698 (0xFF00C9A2)
YUV	136.4550, 12.5937, -119.6710
Hunter-Lab	66.6197, -43.1559, 9.8629

Details

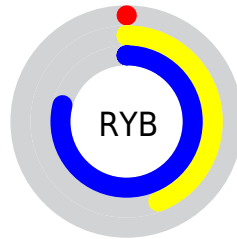
The Yxy color **44.3819, 0.2423, 0.3924** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.5651, 0.6102, 0.3135**, and the grayscale version is **24.7852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3545, 0.2545, 0.3756**, and **21.6836, 0.2469, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **44.3869, 0.2423, 0.3924**, and if you desaturate by 10%, it is **44.6776, 0.2420, 0.3854**.

Distribution



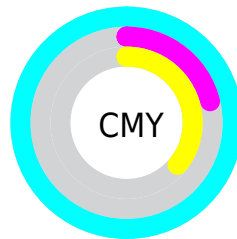
- Red (0%)
- Green (79%)
- Blue (64%)



- Red (0%)
- Yellow (44%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3819, 0.2423, 0.3924 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 44.3819, 0.2423, 0.3924 by changing the saturation by 10% instead.


 44.3819, 0.2423,
0.3924

 44.3819, 0.2423,
0.3924

364.2644, 0.2780,
0.3595

 30.9709, 0.2333,
0.4010


 81.7921, 0.2554,
0.3801


 20.5767, 0.2216,
0.4123

 106.5600, 0.2603,
0.3756


 12.8149, 0.2061,
0.4277


 135.8824, 0.2644,
0.3718

 7.3012, 0.1845,
0.4499

 170.1436, 0.2679,
0.3686

 3.6512, 0.1526,
0.4843

 209.7280, 0.2709,
0.3658

 1.4804, 0.0266,
0.5900

255.0200, 0.2736,

 0.2749, 0.0000,

0.3634

1.0000

306.4040, 0.2760,
0.3613

■ 0.0000, 0.0000,
0.0000

■ 44.3819, 0.2423,
0.3924

■ 44.3819, 0.2423,
0.3924

■ 44.3869, 0.2423,
0.3924

■ 44.6776, 0.2420,
0.3854

■ 45.1281, 0.2432,
0.3784

■ 45.7926, 0.2464,
0.3713

■ 46.6995, 0.2515,
0.3644

■ 47.8730, 0.2584,
0.3576

■ 49.3342, 0.2670,
0.3511

■ 51.1021, 0.2770,
0.3449

■ 53.1941, 0.2881,
0.3391

■ 55.6262, 0.3001,
0.3338

Harmonies

Analogous

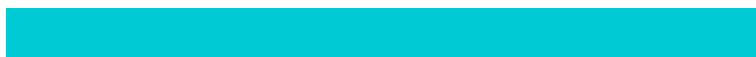
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.3819, 0.3070, 0.4518



44.3819, 0.2423, 0.3924



44.3819, 0.1996, 0.3147

Triad

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



44.3819, 0.2423, 0.3924



44.3819, 0.2400, 0.2185



44.3819, 0.4583, 0.3779

Complementary

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



44.3819, 0.2423, 0.3924



12.5651, 0.6102, 0.3135

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.



44.3819, 0.4392, 0.3235



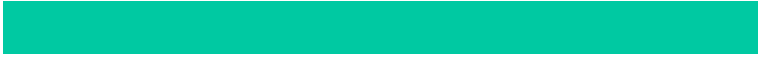
44.3819, 0.2423, 0.3924



44.3819, 0.3045, 0.2369

Square

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



44.3819, 0.2423, 0.3924



44.3819, 0.1993, 0.2231



44.3819, 0.3797, 0.2740



44.3819, 0.4333, 0.4291

Rectangle

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



44.3819, 0.2423, 0.3924



44.3819, 0.1870, 0.2714



44.3819, 0.3797, 0.2740



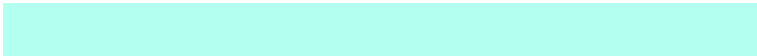
44.3819, 0.4571, 0.3597

Sweetspot

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



44.3869, 0.2423, 0.3924



87.3453, 0.2766, 0.3451



42.2325, 0.3066, 0.5948



18.4065, 0.2721, 0.3477



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.



44.3869, 0.2423, 0.3924



75.9543, 0.2426, 0.3933



23.1806, 0.1965, 0.2275



12.0309, 0.3009, 0.3335



27.9192, 0.2421, 0.3914



1.3313, 0.2380, 0.3768

Inverse Universe

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



12.5651, 0.6102, 0.3135



21.4856, 0.6131, 0.3151



15.6822, 0.5971, 0.3641



10.6700, 0.3260, 0.3245



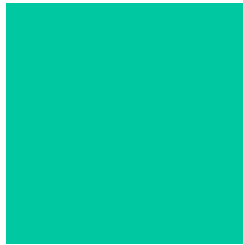
7.9100, 0.6071, 0.3118



0.3849, 0.5498, 0.2803

Previews

White Background



This preview shows how the Yxy color 44.3819, 0.2423, 0.3924 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 44.3819, 0.2423, 0.3924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

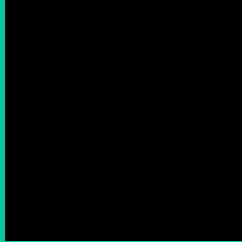
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3819, 0.2423, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 44.3819, 0.2423, 0.3924.

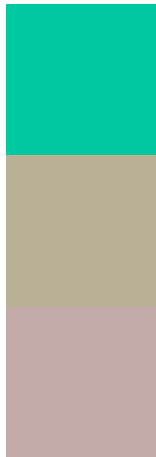


This preview shows how white text looks on a background with the Yxy color 44.3819, 0.2423, 0.3924.

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

44.3819, 0.2423, 0.3924

Protanopia

43.6597, 0.3446, 0.3652

Deuteranopia

43.3498, 0.3376, 0.3304



Tritanopia

44.1974, 0.2265, 0.3053

Trichromacy



Original Color

44.3819, 0.2423, 0.3924



Protanomaly

40.8826, 0.2828, 0.3772



Deuteranomaly

40.1609, 0.2791, 0.3518



Tritanomaly

44.1948, 0.2303, 0.3349

Monochromacy



Original Color

44.3819, 0.2423, 0.3924



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.2122, 0.2632, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3819, 0.2423, 0.3924 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, 201, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 162)  
}
```

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, 201, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 162) }
```

Border

The CSS property to change the border of an element to Yxy 44.3819, 0.2423, 0.3924 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, 201, 162) }
```

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

```
.border{ border-color:rgb(0, 201, 162) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3819, 0.2423, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 162) }
```

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

```
.background{ background-color: rgb(0, 201,  
162) }
```

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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