

Converting Colors

$Y_{xy}(38.7617, 0.2325, 0.4028)$

Have a look what the booklet for
Yxy(38.7617, 0.2325, 0.4028)
contains.

Yxy(39.9013, 0.2447, 0.4009)	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(39.9013, 0.2447, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	00C096
RGB	0, 192, 150
RGB Percent	0%, 75%, 59%
CMY	0.9999, 0.2470, 0.4117
CMYK	1.00, 0.00, 0.22, 0.25
HSL	167°, 100%, 38%
HSV	167°, 100%, 75%
XYZ	24.3548, 39.9013, 35.2732
YIQ	129.8040, -100.9500, -53.7660

Conversions

Conversions Part 2

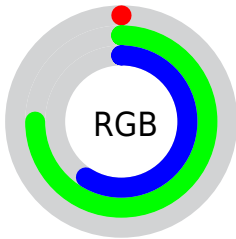
Format	Color
RYB	0, 108, 192
Decimal	49302
CIELab	69.40, -50.52, 9.88
CIELCh	69, 51.478, 168.934
Yxy	39.9013, 0.2447, 0.4009
Android (android.graphics.Color)	4278239382 (0xFF00C096)
YUV	129.8040, 9.9566, -113.8381
Hunter-Lab	63.1675, -41.7207, 11.1093

Details

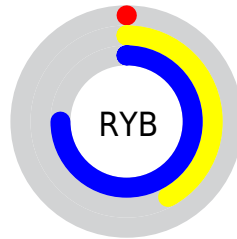
The Yxy color **39.9013, 0.2447, 0.4009** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.3747, 0.6029, 0.3095**, and the grayscale version is **22.2446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7636, 0.2578, 0.3862**, and **18.7922, 0.2498, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **39.9025, 0.2447, 0.4009**, and if you desaturate by 10%, it is **40.1812, 0.2442, 0.3930**.

Distribution



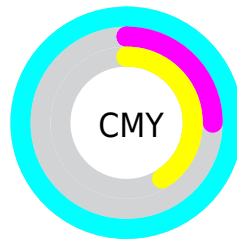
- Red (0%)
- Green (75%)
- Blue (59%)



- Red (0%)
- Yellow (42%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9013, 0.2447, 0.4009 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 39.9013, 0.2447, 0.4009 by changing the saturation by 10% instead.


 39.9013, 0.2447,
0.4009


 39.9013, 0.2447,
0.4009

345.7074, 0.2801,
0.3626


 27.4616, 0.2355,
0.4113


 75.0132, 0.2579,
0.3864

 17.9202, 0.2234,
0.4251


 98.4542, 0.2627,
0.3811


 10.8927, 0.2070,
0.4443


 126.3310, 0.2668,
0.3767

 5.9947, 0.1835,
0.4730

 159.0282, 0.2702,
0.3730

 2.8419, 0.1477,
0.5194

 196.9300, 0.2732,
0.3699

 1.0497, 0.0000,
0.7036

240.4209, 0.2758,

 0.0000, 0.0000,

0.3671

0.0000

289.8852, 0.2780,
0.3647

■ 39.9013, 0.2447,
0.4009

■ 39.9013, 0.2447,
0.4009

■ 39.9025, 0.2447,
0.4009

■ 40.1812, 0.2442,
0.3930

■ 40.6033, 0.2453,
0.3849

■ 41.2191, 0.2483,
0.3769

■ 42.0539, 0.2532,
0.3690

■ 43.1293, 0.2599,
0.3613

■ 44.4640, 0.2683,
0.3539

■ 46.0752, 0.2780,
0.3469

■ 47.9783, 0.2889,
0.3404

■ 50.1877, 0.3005,
0.3344

Harmonies

Analogous

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



39.9013, 0.3124, 0.4591



39.9013, 0.2447, 0.4009



39.9013, 0.1988, 0.3201

Triad

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



39.9013, 0.2447, 0.4009



39.9013, 0.2334, 0.2150



39.9013, 0.4630, 0.3742

Complementary

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



39.9013, 0.2447, 0.4009



11.3747, 0.6029, 0.3095

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.



39.9013, 0.4396, 0.3186



39.9013, 0.2447, 0.4009



39.9013, 0.2980, 0.2321

Square

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



39.9013, 0.2447, 0.4009



39.9013, 0.1941, 0.2215



39.9013, 0.3757, 0.2687



39.9013, 0.4402, 0.4278

Rectangle

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



39.9013, 0.2447, 0.4009



39.9013, 0.1844, 0.2741



39.9013, 0.3757, 0.2687



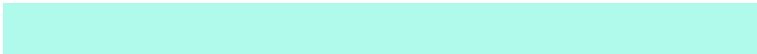
39.9013, 0.4606, 0.3555

Sweetspot

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



39.9029, 0.2447, 0.4009



83.3267, 0.2775, 0.3472



38.2544, 0.3088, 0.5930



17.5990, 0.2733, 0.3502



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9029, 0.2447, 0.4009



72.2596, 0.2450, 0.4022



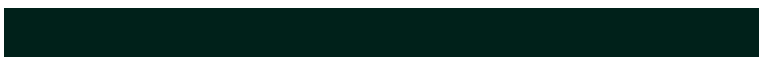
22.7994, 0.2000, 0.2398



11.3895, 0.3013, 0.3341



26.8612, 0.2444, 0.3999



1.1702, 0.2395, 0.3822

Inverse Universe

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



11.3747, 0.6029, 0.3095



20.5782, 0.6064, 0.3114



13.5937, 0.6044, 0.3583



10.1132, 0.3255, 0.3240



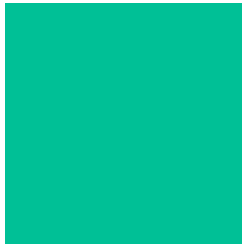
7.6630, 0.6000, 0.3079



0.3417, 0.5364, 0.2729

Previews

White Background



This preview shows how the Yxy color 39.9013, 0.2447, 0.4009 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 39.9013, 0.2447, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

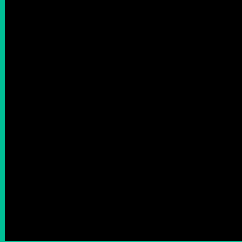
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9013, 0.2447, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 39.9013, 0.2447, 0.4009.

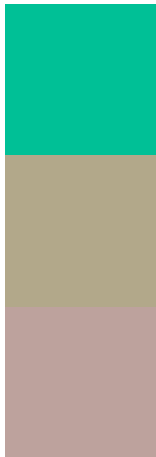


This preview shows how white text looks on a background with the Yxy color 39.9013, 0.2447, 0.4009.

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

39.9013, 0.2447, 0.4009

Protanopia

39.3052, 0.3488, 0.3710

Deuteranopia

39.0938, 0.3435, 0.3358



Tritanopia

39.7979, 0.2273, 0.3058

Trichromacy



Original Color

39.9013, 0.2447, 0.4009



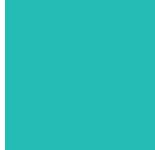
Protanomaly

36.9080, 0.2868, 0.3861



Deuteranomaly

36.2133, 0.2830, 0.3593



Tritanomaly

39.7559, 0.2318, 0.3384

Monochromacy



Original Color

39.9013, 0.2447, 0.4009



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.4276, 0.2644, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9013, 0.2447, 0.4009 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, 192, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 150)  
}
```

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, 192, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 150) }
```

Border

The CSS property to change the border of an element to Yxy 39.9013, 0.2447, 0.4009 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, 192, 150) }
```

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

```
.border{ border-color:rgb(0, 192, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9013, 0.2447, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 150) }
```

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

```
.background{ background-color: rgb(0, 192,  
150) }
```

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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