

Converting Colors

$Y_{xy}(36.1936, 0.2008, 0.4243)$

Have a look what the booklet for
Yxy(36.1936, 0.2008, 0.4243)
contains.

Yxy(39.6824, 0.2483, 0.4139)	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(39.6824, 0.2483, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	00C08F
RGB	0, 192, 143
RGB Percent	0%, 75%, 56%
CMY	1.0000, 0.2470, 0.4393
CMYK	1.00, 0.00, 0.26, 0.25
HSL	165°, 100%, 38%
HSV	165°, 100%, 75%
XYZ	23.8056, 39.6824, 32.3864
YIQ	129.0060, -98.7030, -55.9430

Conversions

Conversions Part 2

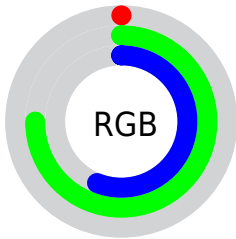
Format	Color
RYB	0, 110, 192
Decimal	49295
CIELab	69.24, -52.25, 13.47
CIELCh	69, 53.959, 165.549
Yxy	39.6824, 0.2483, 0.4139
Android (android.graphics.Color)	4278239375 (0xFF00C08F)
YUV	129.0060, 6.8990, -113.1383
Hunter-Lab	62.9940, -42.7838, 13.6137

Details

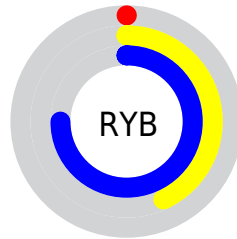
The Yxy color **39.6824, 0.2483, 0.4139** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.4291, 0.5920, 0.3035**, and the grayscale version is **21.9571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4352, 0.2610, 0.3956**, and **18.6816, 0.2541, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **39.6846, 0.2483, 0.4139**, and if you desaturate by 10%, it is **39.9769, 0.2475, 0.4045**.

Distribution



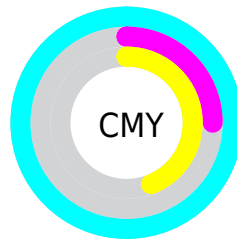
- Red (0%)
- Green (75%)
- Blue (56%)



- Red (0%)
- Yellow (43%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6824, 0.2483, 0.4139 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 39.6824, 0.2483, 0.4139 by changing the saturation by 10% instead.


 39.6824, 0.2483,
0.4139


 39.6824, 0.2483,
0.4139

344.7831, 0.2822,
0.3682


 27.2910, 0.2393,
0.4265


 74.6796, 0.2610,
0.3965

 17.7919, 0.2274,
0.4433


 98.0543, 0.2657,
0.3902


 10.8007, 0.2111,
0.4670


 125.8588, 0.2696,
0.3849

 5.9330, 0.1874,
0.5026

 158.4775, 0.2729,
0.3805

 2.8044, 0.1500,
0.5616

 196.2950, 0.2757,
0.3768

 1.0305, 0.0000,
0.8564

239.6954, 0.2782,

 0.0000, 0.0000,

0.3735

0.0000

289.0634, 0.2803,
0.3707

■ 39.6824, 0.2483,
0.4139

■ 39.6824, 0.2483,
0.4139

■ 39.6846, 0.2483,
0.4139

■ 39.9769, 0.2475,
0.4045

■ 40.4146, 0.2482,
0.3950

■ 41.0475, 0.2509,
0.3855

■ 41.9012, 0.2555,
0.3761

■ 42.9972, 0.2620,
0.3669

■ 44.3544, 0.2700,
0.3582

■ 45.9897, 0.2794,
0.3500

■ 47.9188, 0.2898,
0.3424

■ 50.1561, 0.3010,
0.3354

Harmonies

Analogous

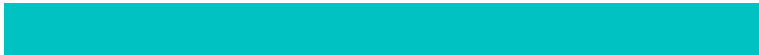
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.6824, 0.3204, 0.4699



39.6824, 0.2483, 0.4139



39.6824, 0.1976, 0.3285

Triad

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



39.6824, 0.2483, 0.4139



39.6824, 0.2238, 0.2097



39.6824, 0.4700, 0.3687

Complementary

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



39.6824, 0.2483, 0.4139



11.4291, 0.5920, 0.3035

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.



39.6824, 0.4402, 0.3114



39.6824, 0.2483, 0.4139



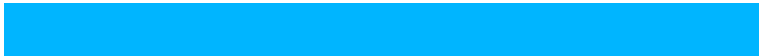
39.6824, 0.2884, 0.2250

Square

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



39.6824, 0.2483, 0.4139



39.6824, 0.1863, 0.2192



39.6824, 0.3695, 0.2609



39.6824, 0.4505, 0.4255

Rectangle

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



39.6824, 0.2483, 0.4139



39.6824, 0.1805, 0.2782



39.6824, 0.3695, 0.2609



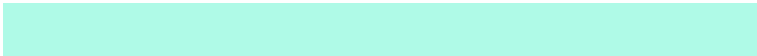
39.6824, 0.4657, 0.3492

Sweetspot

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



39.6846, 0.2483, 0.4139



83.1710, 0.2789, 0.3504



38.4108, 0.3112, 0.5911



17.5614, 0.2748, 0.3538



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.



39.6846, 0.2483, 0.4139



71.8587, 0.2487, 0.4154



24.7371, 0.2032, 0.2516



11.3831, 0.3018, 0.3349



26.7149, 0.2480, 0.4127



1.1649, 0.2421, 0.3917

Inverse Universe

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



11.4291, 0.5920, 0.3035



20.6734, 0.5957, 0.3055



13.0689, 0.6116, 0.3526



10.1192, 0.3250, 0.3231



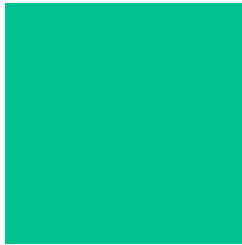
7.7009, 0.5888, 0.3017



0.3444, 0.5232, 0.2656

Previews

White Background



This preview shows how the Yxy color 39.6824, 0.2483, 0.4139 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 39.6824, 0.2483, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

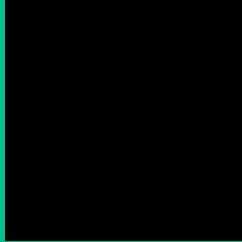
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6824, 0.2483, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 39.6824, 0.2483, 0.4139.



This preview shows how white text looks on a background with the Yxy color 39.6824, 0.2483, 0.4139.

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

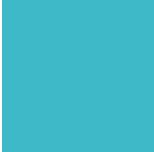
39.6824, 0.2483, 0.4139

Protanopia

39.2277, 0.3561, 0.3807

Deuteranopia

39.1190, 0.3522, 0.3452



Tritanopia

39.8922, 0.2282, 0.3059

Trichromacy



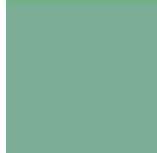
Original Color

39.6824, 0.2483, 0.4139



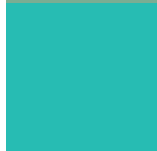
Protanomaly

36.7710, 0.2926, 0.3980



Deuteranomaly

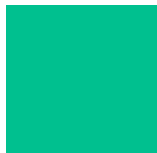
36.1313, 0.2897, 0.3707



Tritanomaly

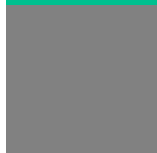
39.6524, 0.2334, 0.3433

Monochromacy



Original Color

39.6824, 0.2483, 0.4139



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.9715, 0.2657, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6824, 0.2483, 0.4139 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, 143)` looks like.

```
.text, #text, p{  
  color:rgb(0, 192, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 143) }
```

Border

The CSS property to change the border of an element to Yxy 39.6824, 0.2483, 0.4139 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, 143) }
```

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

```
.border{ border-color:rgb(0, 192, 143) }
```

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, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6824, 0.2483, 0.4139 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, 143) }
```

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

```
.background{ background-color: rgb(0, 192,  
143) }
```

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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