

# Converting Colors

$Yxy(39.3305, 0.2484, 0.4143)$

Have a look what the booklet for  
Yxy(39.3305, 0.2484, 0.4143)  
contains.

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# Color

**Yxy(39.2146, 0.2484, 0.4143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BF8E
RGB	0, 191, 142
RGB Percent	0%, 75%, 56%
CMY	1.0000, 0.2510, 0.4431
CMYK	1.00, 0.00, 0.26, 0.25
HSL	165°, 100%, 37%
HSV	165°, 100%, 75%
XYZ	23.5117, 39.2146, 31.9263
YIQ	128.3050, -98.1070, -55.7310

# Conversions

## Conversions Part 2

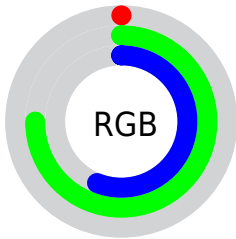
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 110, 191
Decimal	49038
CIELab	68.91, -52.10, 13.52
CIELCh	69, 53.830, 165.453
Yxy	39.2146, 0.2484, 0.4143
Android (android.graphics.Color)	4278239118 (0xFF00BF8E)
YUV	128.3050, 6.7516, -112.5235
Hunter-Lab	62.6216, -42.5686, 13.6073

# Details

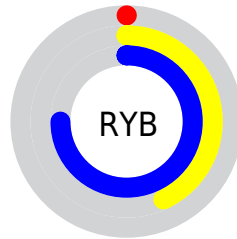
The Yxy color **39.2146, 0.2484, 0.4143** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.2988, 0.5915, 0.3032**, and the grayscale version is **21.7012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7170, 0.2609, 0.3959**, and **18.3810, 0.2543, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **39.2176, 0.2484, 0.4143**, and if you desaturate by 10%, it is **39.5075, 0.2476, 0.4048**.

# Distribution



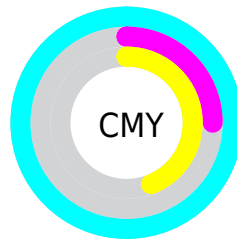
- Red (0%)
- Green (75%)
- Blue (56%)



- 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 39.2146, 0.2484, 0.4143 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 39.2146, 0.2484, 0.4143 by changing the saturation by 10% instead.





 39.2146, 0.2484,  
0.4143


 39.2146, 0.2484,  
0.4143


342.8020, 0.2823,  
0.3682

 26.9267, 0.2394,  
0.4270

 73.9660, 0.2612,  
0.3967


 17.5182, 0.2274,  
0.4440


 97.1984, 0.2658,  
0.3904


 10.6046, 0.2110,  
0.4680


 124.8477, 0.2697,  
0.3851

 5.8017, 0.1871,  
0.5042

 157.2983, 0.2730,  
0.3807

 2.7248, 0.1487,  
0.5647

 194.9346, 0.2758,  
0.3769

 0.9898, 0.0000,  
0.8852

238.1411, 0.2783,

 0.0000, 0.0000,

0.3736

0.0000

287.3021, 0.2804,  
0.3708

■ 39.2146, 0.2484,  
0.4143

■ 39.2146, 0.2484,  
0.4143

■ 39.2176, 0.2484,  
0.4143

■ 39.5075, 0.2476,  
0.4048

■ 39.9410, 0.2483,  
0.3953

■ 40.5675, 0.2510,  
0.3857

■ 41.4121, 0.2556,  
0.3763

■ 42.4961, 0.2620,  
0.3671

■ 43.8381, 0.2701,  
0.3584

■ 45.4551, 0.2795,  
0.3501

■ 47.3622, 0.2899,  
0.3424

■ 49.5739, 0.3011,  
0.3354

# Harmonies

## Analogous

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



39.2146, 0.3206, 0.4702



39.2146, 0.2484, 0.4143



39.2146, 0.1975, 0.3287

# Triad

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



39.2146, 0.2484, 0.4143



39.2146, 0.2235, 0.2096



39.2146, 0.4702, 0.3685

# Complementary

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



39.2146, 0.2484, 0.4143



11.2988, 0.5915, 0.3032

# 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.



39.2146, 0.4402, 0.3112



39.2146, 0.2484, 0.4143



39.2146, 0.2881, 0.2248

# Square

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



39.2146, 0.2484, 0.4143



39.2146, 0.1860, 0.2191



39.2146, 0.3694, 0.2607



39.2146, 0.4508, 0.4254



# Rectangle

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



39.2146, 0.2484, 0.4143



39.2146, 0.1804, 0.2783



39.2146, 0.3694, 0.2607



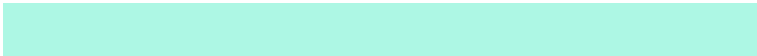
39.2146, 0.4659, 0.3491

# Sweetspot

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



39.2176, 0.2484, 0.4143



81.2556, 0.2790, 0.3505



37.9663, 0.3113, 0.5911



17.5602, 0.2749, 0.3539



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.



39.2176, 0.2484, 0.4143



70.1926, 0.2488, 0.4158



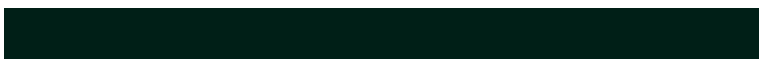
24.4549, 0.2032, 0.2516



10.7666, 0.3018, 0.3350



25.7852, 0.2481, 0.4130



1.0201, 0.2418, 0.3904



# Inverse Universe

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



11.2988, 0.5915, 0.3032



20.2017, 0.5952, 0.3052



12.9211, 0.6116, 0.3526



9.5755, 0.3249, 0.3231



7.4362, 0.5881, 0.3014

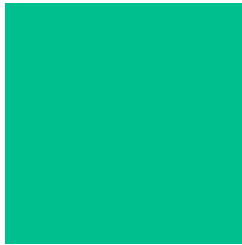


0.3023, 0.5180, 0.2627



# Previews

## White Background



This preview shows how the Yxy color 39.2146, 0.2484, 0.4143 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 39.2146, 0.2484, 0.4143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

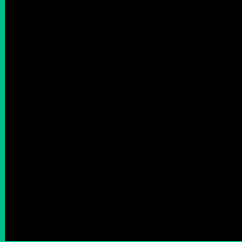
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.2146, 0.2484, 0.4143**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.2146, 0.2484, 0.4143.



This preview shows how white text looks on a background with the Yxy color 39.2146, 0.2484, 0.4143.

# 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

39.2146, 0.2484, 0.4143

### Protanopia

38.7141, 0.3564, 0.3810

### Deuteranopia

38.6068, 0.3524, 0.3453



## Tritanopia

39.4286, 0.2283, 0.3058

# Trichromacy



## Original Color

39.2146, 0.2484, 0.4143



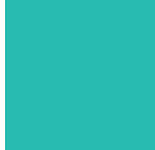
## Protanomaly

36.2826, 0.2925, 0.3984



## Deuteranomaly

35.6453, 0.2896, 0.3710



## Tritanomaly

39.1863, 0.2335, 0.3434

# Monochromacy



## Original Color

39.2146, 0.2484, 0.4143



## Achromatopsia

21.5861, 0.3127, 0.3290



## Achromatomaly

25.5760, 0.2655, 0.3632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2146, 0.2484, 0.4143 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, 191, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 142)  
}
```

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, 191, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2146, 0.2484, 0.4143 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, 191, 142) }
```

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

```
.border{ border-color:rgb(0, 191, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2146, 0.2484, 0.4143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 142) }
```

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

```
.background{ background-color: rgb(0, 191,  
142) }
```

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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