

# Converting Colors

$Y_{xy}(39.3444, 0.2515, 0.4250)$

Have a look what the booklet for  
Yxy(39.3444, 0.2515, 0.4250)  
contains.

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# Color

**Yxy(39.5119, 0.2515, 0.4251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01C089
RGB	1, 192, 137
RGB Percent	0%, 75%, 54%
CMY	0.9964, 0.2470, 0.4628
CMYK	1.00, 0.00, 0.29, 0.25
HSL	163°, 99%, 38%
HSV	163°, 100%, 75%
XYZ	23.3762, 39.5119, 30.0592
YIQ	128.6210, -96.1810, -57.5970

# Conversions

## Conversions Part 2

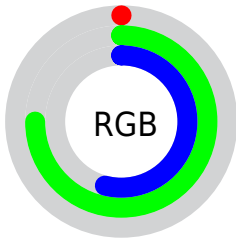
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 113, 192
Decimal	114825
CIE <sub>Lab</sub>	69.12, -53.63, 16.53
CIE <sub>LCh</sub>	69, 56.121, 162.868
Yxy	39.5119, 0.2515, 0.4251
Android (android.graphics.Color)	4278304905 (0xFF01C089)
YUV	128.6210, 4.1308, -111.9236
Hunter-Lab	62.8585, -43.6206, 15.6483

# Details

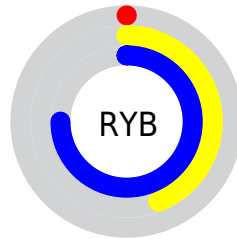
The Yxy color **39.5119, 0.2515, 0.4251** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.5119, 0.5797, 0.2971**, and the grayscale version is **21.8159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1656, 0.2637, 0.4039**, and **18.5794, 0.2583, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **39.4999, 0.2516, 0.4256**, and if you desaturate by 10%, it is **39.8202, 0.2504, 0.4144**.

# Distribution



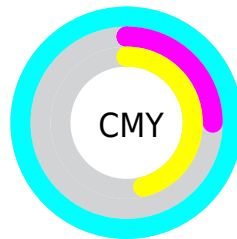
- Red (0%)
- Green (75%)
- Blue (54%)



- Red (0%)
- Yellow (44%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5119, 0.2515, 0.4251 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 39.5119, 0.2515, 0.4251 by changing the saturation by 10% instead.





 39.5119, 0.2515,  
0.4251

 39.5119, 0.2515,  
0.4251

344.0620, 0.2841,  
0.3729


 27.1582, 0.2427,  
0.4396


 74.4197, 0.2639,  
0.4051

 17.6921, 0.2310,  
0.4591


 97.7425, 0.2683,  
0.3979


 10.7291, 0.2147,  
0.4866


 125.4906, 0.2721,  
0.3919

 5.8850, 0.1908,  
0.5283

 158.0481, 0.2752,  
0.3869

 2.7753, 0.1515,  
0.5983

 195.7997, 0.2779,  
0.3827

 1.0156, 0.0000,  
1.0000

239.1296, 0.2803,

 0.0000, 0.0000,

0.3790

0.0000

288.4222, 0.2823,  
0.3758

■ 39.5119, 0.2515,  
0.4251

■ 39.5119, 0.2515,  
0.4251

■ 39.4999, 0.2516,  
0.4256

■ 39.8202, 0.2504,  
0.4144

■ 40.2788, 0.2509,  
0.4035

■ 40.9358, 0.2535,  
0.3926

■ 41.8163, 0.2579,  
0.3819

■ 42.9418, 0.2642,  
0.3716

■ 44.3312, 0.2720,  
0.3616

■ 46.0014, 0.2811,  
0.3523

■ 47.9679, 0.2912,  
0.3437

■ 50.2452, 0.3020,  
0.3358

# Harmonies

## Analogous

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



39.5119, 0.3271, 0.4786



39.5119, 0.2515, 0.4251



39.5119, 0.1967, 0.3359

# Triad

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



39.5119, 0.2515, 0.4251



39.5119, 0.2159, 0.2054



39.5119, 0.4757, 0.3639

# Complementary

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



39.5119, 0.2515, 0.4251



11.5119, 0.5797, 0.2971

# 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.



39.5119, 0.4403, 0.3053



39.5119, 0.2515, 0.4251



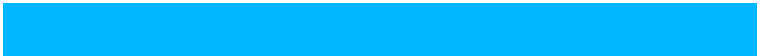
39.5119, 0.2803, 0.2191

# Square

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



39.5119, 0.2515, 0.4251



39.5119, 0.1800, 0.2174



39.5119, 0.3641, 0.2544



39.5119, 0.4591, 0.4232



# Rectangle

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



39.5119, 0.2515, 0.4251



39.5119, 0.1774, 0.2820



39.5119, 0.3641, 0.2544



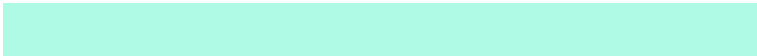
39.5119, 0.4697, 0.3439

# Sweetspot

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



39.5135, 0.2515, 0.4251



83.0341, 0.2802, 0.3532



38.6104, 0.3142, 0.5884



17.5285, 0.2762, 0.3571



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.



39.5135, 0.2515, 0.4251



71.5218, 0.2520, 0.4273



26.8531, 0.2067, 0.2637



11.3774, 0.3022, 0.3357



26.5917, 0.2512, 0.4243



1.1604, 0.2445, 0.4003



# Inverse Universe

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



11.5119, 0.5797, 0.2971



20.7726, 0.5850, 0.2997



12.6691, 0.6169, 0.3478



10.1245, 0.3245, 0.3224



7.7400, 0.5779, 0.2957

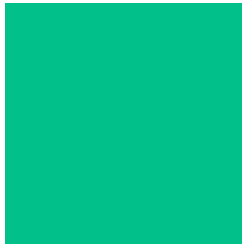


0.3467, 0.5122, 0.2595



# Previews

## White Background



This preview shows how the Yxy color 39.5119, 0.2515, 0.4251 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 39.5119, 0.2515, 0.4251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

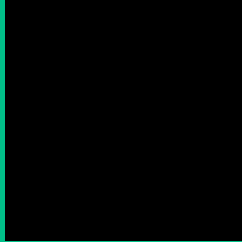
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.5119, 0.2515, 0.4251**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.5119, 0.2515, 0.4251.



This preview shows how white text looks on a background with the Yxy color 39.5119, 0.2515, 0.4251.

# 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

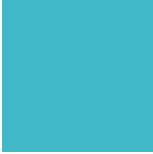
39.5119, 0.2515, 0.4251

### Protanopia

38.7275, 0.3610, 0.3865

### Deuteranopia

38.7098, 0.3592, 0.3519



## **Tritanopia**

39.4945, 0.2289, 0.3058

# Trichromacy



## Original Color

39.5119, 0.2515, 0.4251



## Protanomaly

36.2398, 0.2962, 0.4051



## Deuteranomaly

35.6391, 0.2950, 0.3792



## Tritanomaly

39.1467, 0.2349, 0.3467

# Monochromacy



## Original Color

39.5119, 0.2515, 0.4251



## Achromatopsia

21.9526, 0.3127, 0.3290



## Achromatomaly

25.9163, 0.2672, 0.3669

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  39.5119, 0.2515, 0.4251 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(1, 192, 137)` looks like.

```
.text, #text, p{  
  color:rgb(1, 192, 137)  
}
```

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(1, 192, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 192, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5119, 0.2515, 0.4251 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(1, 192, 137) }
```

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

```
.border{ border-color:rgb(1, 192, 137) }
```

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

Here you see how a box with a 4 pixel rgb(1, 192, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 192, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 192, 137);  
box-shadow:4px 4px 4px 4px rgb(1, 192,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5119, 0.2515, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 192, 137) }
```

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

```
.background{ background-color: rgb(1, 192,  
137) }
```

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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