

# Converting Colors

$Y_{xy}(39.3152, 0.2900, 0.5639)$

Have a look what the booklet for  
Yxy(39.3152, 0.2900, 0.5639)  
contains.

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# Color

**Yxy(39.3060, 0.2901, 0.5644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C337
RGB	0, 195, 55
RGB Percent	0%, 76%, 22%
CMY	1.0000, 0.2353, 0.7844
CMYK	1.00, 0.00, 0.72, 0.24
HSL	137°, 100%, 38%
HSV	137°, 100%, 76%
XYZ	20.2032, 39.3060, 10.1329
YIQ	120.7350, -71.2800, -84.8800

# Conversions

## Conversions Part 2

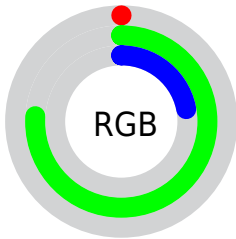
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 152, 195
Decimal	49975
CIELab	68.97, -67.86, 55.87
CIELCh	69, 87.902, 140.535
Yxy	39.3060, 0.2901, 0.5644
Android (android.graphics.Color)	4278240055 (0xFF00C337)
YUV	120.7350, -32.4074, -105.8846
Hunter-Lab	62.6945, -52.1941, 34.3035

# Details

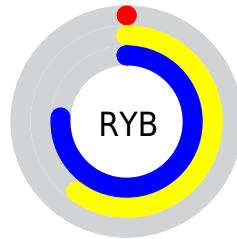
The Yxy color **39.3060, 0.2901, 0.5644** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **13.4971, 0.4082, 0.2023**, and the grayscale version is **19.1544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1430, 0.3003, 0.5141**, and **18.7562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.3083, 0.2901, 0.5644**, and if you desaturate by 10%, it is **39.6056, 0.2873, 0.5452**.

# Distribution



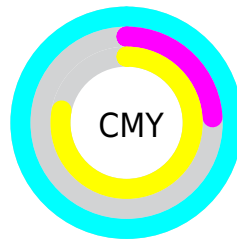
- Red (0%)
- Green (76%)
- Blue (22%)



- Red (0%)
- Yellow (60%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (24%)




- Cyan (100%)
- Magenta (24%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.3060, 0.2901, 0.5644 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 39.3060, 0.2901, 0.5644 by changing the saturation by 10% instead.





 39.3060, 0.2901,  
0.5644

 39.3060, 0.2901,  
0.5644


343.1897, 0.3107,  
0.4338

 26.9979, 0.2810,  
0.5995


 74.1055, 0.3004,  
0.5145

 17.5716, 0.2666,  
0.6449


 97.3657, 0.3033,  
0.4964


 10.6429, 0.2433,  
0.7043


 125.0454, 0.3055,  
0.4814

 5.8272, 0.2069,  
0.7931

 157.5290, 0.3072,  
0.4688

 2.7403, 0.1103,  
0.8897

 195.2008, 0.3084,  
0.4581

 0.9977, 0.0000,  
1.0000

238.4452, 0.3094,

 0.0000, 0.0000,

0.4489

0.0000

287.6468, 0.3101,  
0.4408

■ 39.3060, 0.2901,  
0.5644

■ 39.3060, 0.2901,  
0.5644

■ 39.3083, 0.2901,  
0.5644

■ 39.6056, 0.2873,  
0.5452

■ 40.0883, 0.2855,  
0.5222

■ 40.8101, 0.2852,  
0.4964

■ 41.7999, 0.2865,  
0.4692

■ 43.0822, 0.2892,  
0.4418

■ 44.6787, 0.2929,  
0.4153

■ 46.6090, 0.2974,  
0.3905

■ 48.8910, 0.3023,  
0.3677

■ 51.5415, 0.3075,  
0.3472

# Harmonies

## Analogous

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



39.3060, 0.4008, 0.5490



39.3060, 0.2901, 0.5644



39.3060, 0.1904, 0.4505

# Triad

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



39.3060, 0.2901, 0.5644



39.3060, 0.1351, 0.1604



39.3060, 0.5320, 0.3047

# Complementary

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



39.3060, 0.2901, 0.5644



13.4971, 0.4082, 0.2023

# 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.



39.3060, 0.4238, 0.2357



39.3060, 0.2901, 0.5644



39.3060, 0.1905, 0.1572

# Square

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



39.3060, 0.2901, 0.5644



39.3060, 0.1159, 0.2004



39.3060, 0.2903, 0.1834



39.3060, 0.5546, 0.3812

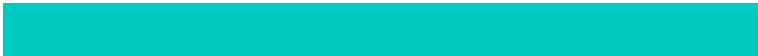


# Rectangle

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



39.3060, 0.2901, 0.5644



39.3060, 0.1456, 0.3434



39.3060, 0.2903, 0.1834



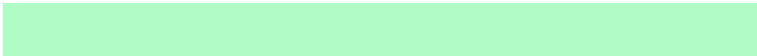
39.3060, 0.5037, 0.2807

# Sweetspot

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



39.3083, 0.2901, 0.5644



83.2978, 0.2972, 0.3916



44.8726, 0.3727, 0.5422



17.9021, 0.2952, 0.4021



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.



39.3083, 0.2901, 0.5644



70.3609, 0.2908, 0.5669



41.2187, 0.2462, 0.4062



11.3045, 0.3078, 0.3460



25.5593, 0.2895, 0.5621



1.1165, 0.2764, 0.5150



# Inverse Universe

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



13.4971, 0.4082, 0.2023



24.1272, 0.4099, 0.2032



11.7962, 0.5989, 0.3073



10.1975, 0.3180, 0.3126



8.7868, 0.4068, 0.2014

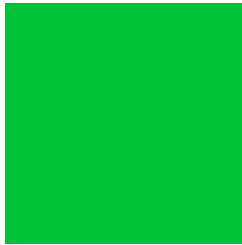


0.3909, 0.3835, 0.1886



# Previews

## White Background



This preview shows how the Yxy color 39.3060, 0.2901, 0.5644 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 39.3060, 0.2901, 0.5644 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 39.3060, 0.2901, 0.5644**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.3060, 0.2901, 0.5644.



This preview shows how white text looks on a background with the Yxy color 39.3060, 0.2901, 0.5644.

# 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

39.3060, 0.2901, 0.5644

### Protanopia

38.4156, 0.4268, 0.4706

### Deuteranopia

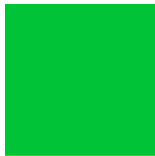
38.6235, 0.4437, 0.4344



## Tritanopia

39.1926, 0.2351, 0.3059

# Trichromacy



## Original Color

39.3060, 0.2901, 0.5644



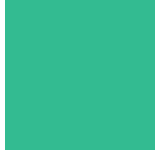
## Protanomaly

35.6052, 0.3505, 0.5215



## Deuteranomaly

34.7695, 0.3594, 0.4965



## Tritanomaly

38.2888, 0.2541, 0.4012

# Monochromacy



## Original Color

39.3060, 0.2901, 0.5644



## Achromatopsia

19.1202, 0.3127, 0.3290



## Achromatomaly

23.6207, 0.2902, 0.4337

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.3060, 0.2901, 0.5644 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, 195, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 55)  
}
```

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, 195, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 39.3060, 0.2901, 0.5644 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, 195, 55) }
```

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

```
.border{ border-color:rgb(0, 195, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 195, 55); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 195, 55); box-shadow:4px 4px 4px 4px rgb(0, 195, 55) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.3060, 0.2901, 0.5644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 55) }
```

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

```
.background{ background-color: rgb(0, 195,  
55) }
```

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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