

# Converting Colors

$Y_{xy}(40.2694, 0.2883, 0.5580)$

Have a look what the booklet for  
Yxy(40.2694, 0.2883, 0.5580)  
contains.

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# Color

**Yxy(40.2694, 0.2883, 0.5580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C53D
RGB	0, 197, 61
RGB Percent	0%, 77%, 24%
CMY	1.0000, 0.2274, 0.7607
CMYK	1.00, 0.00, 0.69, 0.23
HSL	139°, 100%, 39%
HSV	139°, 100%, 77%
XYZ	20.8059, 40.2694, 11.0921
YIQ	122.5930, -73.7560, -84.0600

# Conversions

## Conversions Part 2

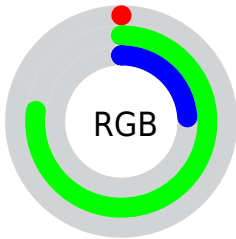
Format	Color
<a href="#">RYB</a>	<a href="#">0, 150, 197</a>
Decimal	<a href="#">50493</a>
CIELab	<a href="#">69.66, -67.89, 54.28</a>
CIELCh	<a href="#">70, 86.925, 141.355</a>
Yxy	<a href="#">40.2694, 0.2883, 0.5580</a>
Android (android.graphics.Color)	<a href="#">4278240573 (0xFF00C53D)</a>
YUV	<a href="#">122.5930, -30.3653, -107.5141</a>
Hunter-Lab	<a href="#">63.4582, -52.5275, 34.0572</a>

# Details

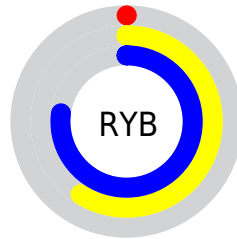
The Yxy color **40.2694, 0.2883, 0.5580** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **13.6488, 0.4188, 0.2081**, and the grayscale version is **19.7881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5245, 0.2984, 0.5096**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.2730, 0.2883, 0.5580**, and if you desaturate by 10%, it is **40.5843, 0.2853, 0.5384**.

# Distribution



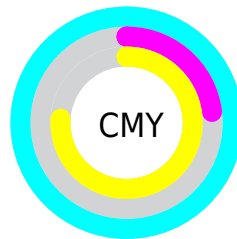
- Red (0%)
- Green (77%)
- Blue (24%)



- Red (0%)
- Yellow (59%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2694, 0.2883, 0.5580 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 40.2694, 0.2883, 0.5580 by changing the saturation by 10% instead.




 40.2694, 0.2883,  
0.5580


 40.2694, 0.2883,  
0.5580


347.2577, 0.3092,  
0.4312

 27.7487, 0.2794,  
0.5922


 75.5736, 0.2984,  
0.5096


 18.1363, 0.2657,  
0.6366


 99.1258, 0.3014,  
0.4920

 11.0479, 0.2434,  
0.6946


 127.1239, 0.3037,  
0.4775

 6.0990, 0.2108,  
0.7892

 159.9524, 0.3054,  
0.4652

 2.9054, 0.1240,  
0.8760

 197.9957, 0.3067,  
0.4548

 1.0825, 0.0000,  
1.0000

241.6380, 0.3077,

 0.0000, 0.0000,

0.4458

0.0000

291.2639, 0.3085,  
0.4380

■ 40.2694, 0.2883,  
0.5580

■ 40.2694, 0.2883,  
0.5580

■ 40.2730, 0.2883,  
0.5580

■ 40.5843, 0.2853,  
0.5384

■ 41.0833, 0.2835,  
0.5155

■ 41.8245, 0.2833,  
0.4903

■ 42.8371, 0.2847,  
0.4638

■ 44.1460, 0.2875,  
0.4374

■ 45.7732, 0.2915,  
0.4119

■ 47.7385, 0.2963,  
0.3880

■ 50.0602, 0.3016,  
0.3662

■ 52.7551, 0.3071,  
0.3465

# Harmonies

## Analogous

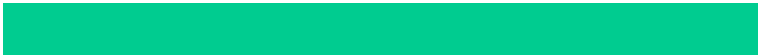
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2694, 0.3976, 0.5474



40.2694, 0.2883, 0.5580



40.2694, 0.1905, 0.4437

# Triad

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



40.2694, 0.2883, 0.5580



40.2694, 0.1384, 0.1623



40.2694, 0.5299, 0.3076

# Complementary

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



40.2694, 0.2883, 0.5580



13.6488, 0.4188, 0.2081

# 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.



40.2694, 0.4255, 0.2390



40.2694, 0.2883, 0.5580



40.2694, 0.1944, 0.1598

# Square

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



40.2694, 0.2883, 0.5580



40.2694, 0.1185, 0.2010



40.2694, 0.2941, 0.1865



40.2694, 0.5504, 0.3837



# Rectangle

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



40.2694, 0.2883, 0.5580



40.2694, 0.1469, 0.3395



40.2694, 0.2941, 0.1865



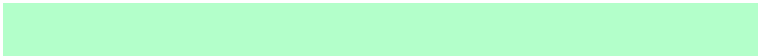
40.2694, 0.5028, 0.2837

# Sweetspot

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



40.2730, 0.2883, 0.5580



85.3176, 0.2961, 0.3891



45.3312, 0.3671, 0.5467



17.9253, 0.2939, 0.3991



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.



40.2730, 0.2883, 0.5580



72.0841, 0.2890, 0.5605



42.3910, 0.2429, 0.3944



11.9411, 0.3075, 0.3454



26.5005, 0.2877, 0.5557



1.2680, 0.2755, 0.5118



# Inverse Universe

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



13.6488, 0.4188, 0.2081



24.3957, 0.4206, 0.2091



12.0205, 0.6084, 0.3125



10.7585, 0.3184, 0.3132



8.9922, 0.4172, 0.2072

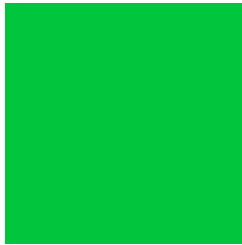


0.4384, 0.3925, 0.1936



# Previews

## White Background



This preview shows how the Yxy color 40.2694, 0.2883, 0.5580 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 40.2694, 0.2883, 0.5580 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 40.2694, 0.2883, 0.5580**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.2694, 0.2883, 0.5580.



This preview shows how white text looks on a background with the Yxy color 40.2694, 0.2883, 0.5580.

# 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

40.2694, 0.2883, 0.5580

### Protanopia

39.4611, 0.4240, 0.4669

### Deuteranopia

39.5395, 0.4387, 0.4307



## Tritanopia

40.1100, 0.2348, 0.3061

# Trichromacy



## Original Color

40.2694, 0.2883, 0.5580



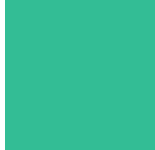
## Protanomaly

36.5287, 0.3477, 0.5162



## Deuteranomaly

35.6883, 0.3559, 0.4907



## Tritanomaly

39.2689, 0.2525, 0.3968

# Monochromacy



## Original Color

40.2694, 0.2883, 0.5580



## Achromatopsia

19.8069, 0.3127, 0.3290



## Achromatomaly

24.3525, 0.2889, 0.4303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2694, 0.2883, 0.5580 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, 197, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 61)  
}
```

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, 197, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2694, 0.2883, 0.5580 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, 197, 61) }
```

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

```
.border{ border-color:rgb(0, 197, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 61)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 40.2694, 0.2883, 0.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 61) }
```

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

```
.background{ background-color: rgb(0, 197,  
61) }
```

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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