

# Converting Colors

$Yxy(39.3432, 0.2627, 0.5114)$

Have a look what the booklet for  
Yxy(39.3432, 0.2627, 0.5114)  
contains.

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# Color

**Yxy(40.3061, 0.2740, 0.5066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C45F
RGB	0, 196, 95
RGB Percent	0%, 77%, 37%
CMY	1.0000, 0.2313, 0.6275
CMYK	1.00, 0.00, 0.52, 0.23
HSL	149°, 100%, 38%
HSV	149°, 100%, 77%
XYZ	21.8000, 40.3061, 17.4559
YIQ	125.8820, -84.3950, -72.9630

# Conversions

## Conversions Part 2

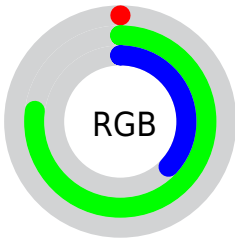
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 132, 196
Decimal	50271
CIELab	69.69, -63.28, 39.09
CIELCh	70, 74.378, 148.296
Yxy	40.3061, 0.2740, 0.5066
Android (android.graphics.Color)	4278240351 (0xFF00C45F)
YUV	125.8820, -15.2248, -110.3985
Hunter-Lab	63.4871, -49.8097, 28.1391

# Details

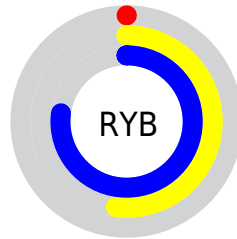
The Yxy color **40.3061, 0.2740, 0.5066** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **12.6772, 0.4903, 0.2474**, and the grayscale version is **20.8983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6429, 0.2843, 0.4690**, and **19.2392, 0.2864, 0.5512** is the 20% darker color. If you saturate the color by 10%, you get **40.3114, 0.2741, 0.5066**, and if you desaturate by 10%, it is **40.6517, 0.2711, 0.4881**.

# Distribution



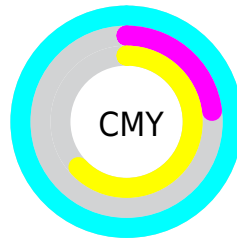
- Red (0%)
- Green (77%)
- Blue (37%)



- Red (0%)
- Yellow (52%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3061, 0.2740, 0.5066 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 40.3061, 0.2740, 0.5066 by changing the saturation by 10% instead.





 40.3061, 0.2740,  
0.5066


 40.3061, 0.2740,  
0.5066


347.4121, 0.2985,  
0.4080


 27.7773, 0.2659,  
0.5342


 75.6294, 0.2843,  
0.4685

 18.1578, 0.2542,  
0.5712


 99.1927, 0.2877,  
0.4548


 11.0634, 0.2362,  
0.6225


 127.2029, 0.2905,  
0.4436

 6.1095, 0.2070,  
0.6966

 160.0445, 0.2927,  
0.4342

 2.9118, 0.1532,  
0.8468

 198.1018, 0.2945,  
0.4261

 1.0858, 0.0000,  
1.0000

241.7592, 0.2961,

 0.0000, 0.0000,

0.4192

0.0000

291.4012, 0.2974,  
0.4133

■ 40.3061, 0.2740,  
0.5066

■ 40.3061, 0.2740,  
0.5066

■ 40.3114, 0.2741,  
0.5066

■ 40.6517, 0.2711,  
0.4881

■ 41.1629, 0.2698,  
0.4687

■ 41.8974, 0.2704,  
0.4485

■ 42.8827, 0.2729,  
0.4284

■ 44.1421, 0.2771,  
0.4087

■ 45.6963, 0.2827,  
0.3900

■ 47.5636, 0.2894,  
0.3725

■ 49.7612, 0.2968,  
0.3565

■ 52.3046, 0.3046,  
0.3420

# Harmonies

## Analogous

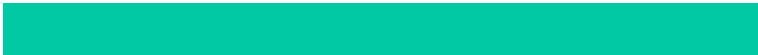
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.3061, 0.3719, 0.5287



40.3061, 0.2740, 0.5066



40.3061, 0.1918, 0.3960

# Triad

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



40.3061, 0.2740, 0.5066



40.3061, 0.1657, 0.1776



40.3061, 0.5116, 0.3299

# Complementary

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



40.3061, 0.2740, 0.5066



12.6772, 0.4903, 0.2474

# 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.



40.3061, 0.4352, 0.2641



40.3061, 0.2740, 0.5066



40.3061, 0.2262, 0.1811

# Square

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



40.3061, 0.2740, 0.5066



40.3061, 0.1400, 0.2061



40.3061, 0.3230, 0.2114



40.3061, 0.5164, 0.4018



# Rectangle

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



40.3061, 0.2740, 0.5066



40.3061, 0.1575, 0.3131



40.3061, 0.3230, 0.2114



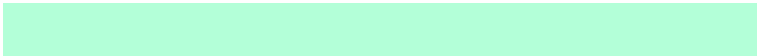
40.3061, 0.4933, 0.3071

# Sweetspot

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



40.3114, 0.2741, 0.5066



85.9802, 0.2891, 0.3733



42.2677, 0.3386, 0.5693



18.0805, 0.2861, 0.3806



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.



40.3114, 0.2741, 0.5066



72.9648, 0.2748, 0.5093



43.3241, 0.2261, 0.3338



11.3383, 0.3052, 0.3411



25.9156, 0.2734, 0.5041



1.1337, 0.2617, 0.4621



# Inverse Universe

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



12.6772, 0.4903, 0.2474



22.9100, 0.4935, 0.2492



11.7445, 0.6384, 0.3291



10.1626, 0.3210, 0.3172



8.1621, 0.4873, 0.2458



0.3665, 0.4404, 0.2200



# Previews

## White Background



This preview shows how the Yxy color 40.3061, 0.2740, 0.5066 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 40.3061, 0.2740, 0.5066 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 40.3061, 0.2740, 0.5066**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.3061, 0.2740, 0.5066.



This preview shows how white text looks on a background with the Yxy color 40.3061, 0.2740, 0.5066.

# 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

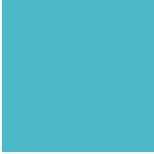
40.3061, 0.2740, 0.5066

### Protanopia

39.6126, 0.4017, 0.4377

### Deuteranopia

39.3266, 0.4095, 0.4011



## Tritanopia

40.4046, 0.2330, 0.3061

# Trichromacy



## Original Color

40.3061, 0.2740, 0.5066



## Protanomaly

36.8834, 0.3288, 0.4751



## Deuteranomaly

35.9575, 0.3316, 0.4467



## Tritanomaly

39.6322, 0.2446, 0.3738

# Monochromacy



## Original Color

40.3061, 0.2740, 0.5066



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

25.0765, 0.2787, 0.4000

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.3061, 0.2740, 0.5066 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, 196, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 95)  
}
```

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, 196, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 40.3061, 0.2740, 0.5066 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, 196, 95) }
```

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

```
.border{ border-color:rgb(0, 196, 95) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 196, 95)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 40.3061, 0.2740, 0.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 95) }
```

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

```
.background{ background-color: rgb(0, 196,  
95) }
```

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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