

# Converting Colors

$Y_{xy}(53.8467, 0.2915, 0.5695)$

Have a look what the booklet for  
Yxy(53.8467, 0.2915, 0.5695)  
contains.

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# Color

**Yxy(53.6271, 0.2916, 0.5698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E03B
RGB	0, 224, 59
RGB Percent	0%, 88%, 23%
CMY	1.0000, 0.1215, 0.7685
CMYK	1.00, 0.00, 0.74, 0.12
HSL	136°, 100%, 44%
HSV	136°, 100%, 88%
XYZ	27.4441, 53.6271, 13.0444
YIQ	138.2140, -80.5390, -98.8030

# Conversions

## Conversions Part 2

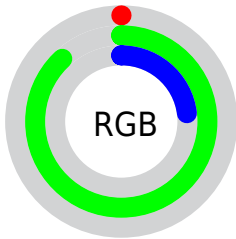
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 177, 224
Decimal	57403
CIELab	78.24, -75.75, 63.90
CIELCh	78, 99.097, 139.851
Yxy	53.6271, 0.2916, 0.5698
Android (android.graphics.Color)	4278247483 (0xFF00E03B)
YUV	138.2140, -39.0525, -121.2137
Hunter-Lab	73.2305, -61.2581, 40.7001

# Details

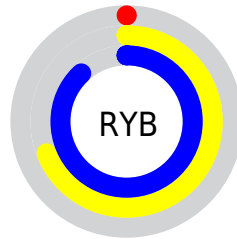
The Yxy color **53.6271, 0.2916, 0.5698** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **18.5642, 0.4023, 0.1990**, and the grayscale version is **25.6790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0322, 0.3013, 0.5067**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.6302, 0.2916, 0.5698**, and if you desaturate by 10%, it is **54.0045, 0.2887, 0.5512**.

# Distribution



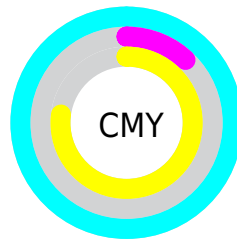
- Red (0%)
- Green (88%)
- Blue (23%)



- Red (0%)
- Yellow (69%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6271, 0.2916, 0.5698 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 53.6271, 0.2916, 0.5698 by changing the saturation by 10% instead.





 53.6271, 0.2916,  
0.5698

 53.6271, 0.2916,  
0.5698


400.6864, 0.3115,  
0.4427


 38.3036, 0.2834,  
0.6015

 95.5265, 0.3012,  
0.5231


 26.2184, 0.2710,  
0.6412


 122.8712, 0.3041,  
0.5056


 16.9871, 0.2518,  
0.6911


 154.9918, 0.3063,  
0.4909

 10.2253, 0.2246,  
0.7647

 192.2726, 0.3079,  
0.4784

 5.5486, 0.1723,  
0.8277

 235.0981, 0.3092,  
0.4676

 2.5726, 0.0267,  
0.9733

283.8526, 0.3101,

 0.9129, 0.0000,

0.4582

1.0000

338.9206, 0.3109,  
0.4500

■ 0.0000, 0.0000,  
0.0000

■ 53.6271, 0.2916,  
0.5698

■ 53.6271, 0.2916,  
0.5698

■ 53.6302, 0.2916,  
0.5698

■ 54.0045, 0.2887,  
0.5512

■ 54.6406, 0.2868,  
0.5284

■ 55.6084, 0.2865,  
0.5022

■ 56.9490, 0.2877,  
0.4743

■ 58.6975, 0.2902,  
0.4460

■ 60.8848, 0.2937,  
0.4186

■ 63.5385, 0.2980,  
0.3927

■ 66.6842, 0.3028,  
0.3691

■ 70.3455, 0.3077,  
0.3478

# Harmonies

## Analogous

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



53.6271, 0.4034, 0.5502



53.6271, 0.2916, 0.5698



53.6271, 0.1903, 0.4564

# Triad

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



53.6271, 0.2916, 0.5698



53.6271, 0.1323, 0.1588



53.6271, 0.5338, 0.3022

# Complementary

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



53.6271, 0.2916, 0.5698



18.5642, 0.4023, 0.1990

# 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.



53.6271, 0.4224, 0.2330



53.6271, 0.2916, 0.5698



53.6271, 0.1871, 0.1550

# Square

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



53.6271, 0.2916, 0.5698



53.6271, 0.1138, 0.2000



53.6271, 0.2870, 0.1808



53.6271, 0.5583, 0.3790



# Rectangle

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



53.6271, 0.2916, 0.5698



53.6271, 0.1445, 0.3468



53.6271, 0.2870, 0.1808



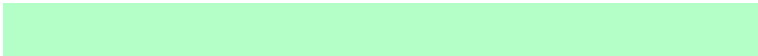
53.6271, 0.5044, 0.2781

# Sweetspot

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



53.6302, 0.2916, 0.5698



85.1518, 0.2979, 0.3933



61.6395, 0.3752, 0.5403



17.8868, 0.2960, 0.4040



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.



53.6302, 0.2916, 0.5698



71.9275, 0.2919, 0.5709



56.1415, 0.2480, 0.4129



15.3963, 0.3080, 0.3467



31.2312, 0.2909, 0.5673



2.1794, 0.2825, 0.5369



# Inverse Universe

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



18.5642, 0.4023, 0.1990



24.8827, 0.4030, 0.1994



16.1337, 0.5959, 0.3056



13.8707, 0.3178, 0.3119



10.8250, 0.4008, 0.1981

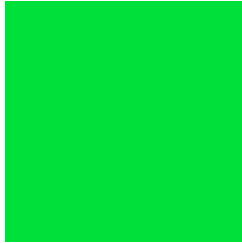


0.7648, 0.3857, 0.1899



# Previews

## White Background



This preview shows how the Yxy color 53.6271, 0.2916, 0.5698 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 53.6271, 0.2916, 0.5698 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

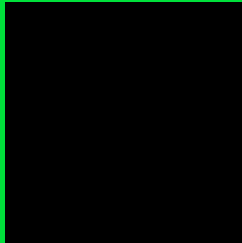
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

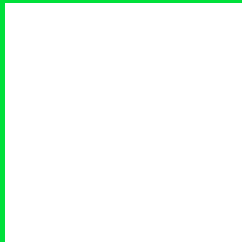
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.6271, 0.2916, 0.5698**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6271, 0.2916, 0.5698.



This preview shows how white text looks on a background with the Yxy color 53.6271, 0.2916, 0.5698.

# 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

53.6271, 0.2916, 0.5698

### Protanopia

52.3854, 0.4292, 0.4737

### Deuteranopia

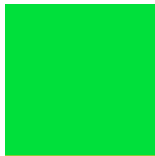
52.3146, 0.4472, 0.4365



## Tritanopia

53.3672, 0.2348, 0.3060

# Trichromacy



## Original Color

53.6271, 0.2916, 0.5698



## Protanomaly

48.7704, 0.3520, 0.5271



## Deuteranomaly

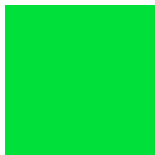
47.0376, 0.3618, 0.5007



## Tritanomaly

51.7396, 0.2545, 0.4034

# Monochromacy



## Original Color

53.6271, 0.2916, 0.5698



## Achromatopsia

25.4152, 0.3127, 0.3290



## Achromatomaly

31.5548, 0.2914, 0.4384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6271, 0.2916, 0.5698 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, 224, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 59)  
}
```

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, 224, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6271, 0.2916, 0.5698 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, 224, 59) }
```

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

```
.border{ border-color:rgb(0, 224, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 59)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 53.6271, 0.2916, 0.5698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 59) }
```

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

```
.background{ background-color: rgb(0, 224,  
59) }
```

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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