

# Converting Colors

Yxy(56.9389, 0.3104, 0.5186)

Have a look what the booklet for  
Yxy(56.9389, 0.3104, 0.5186)  
contains.

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**Color**

**Yxy(56.9331, 0.3103, 0.5181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67E05A
RGB	103, 224, 90
RGB Percent	40%, 88%, 35%
CMY	0.5959, 0.1216, 0.6472
CMYK	0.54, 0.00, 0.60, 0.12
HSL	114°, 68%, 62%
HSV	114°, 60%, 88%
XYZ	34.0983, 56.9331, 18.8568
YIQ	172.5450, -29.1020, -67.3260

# Conversions

## Conversions Part 2

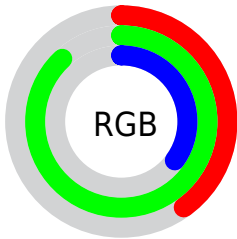
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 224, 211
Decimal	6807642
CIELab	80.14, -59.13, 54.28
CIELCh	80, 80.265, 137.447
Yxy	56.9331, 0.3103, 0.5181
Android (android.graphics.Color)	4284997722 (0xFF67E05A)
YUV	172.5450, -40.6947, -60.9910
Hunter-Lab	75.4540, -51.3789, 38.0006

# Details

The Yxy color **56.9331, 0.3103, 0.5181** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **26.5241, 0.3056, 0.1845**, and the grayscale version is **41.7742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3201, 0.3170, 0.4611**, and **28.4278, 0.3006, 0.5739** is the 20% darker color. If you saturate the color by 10%, you get **55.5550, 0.3085, 0.5486**, and if you desaturate by 10%, it is **58.7198, 0.3117, 0.4841**.

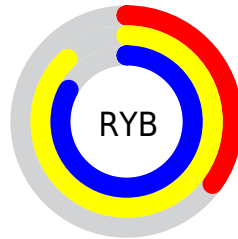
# Distribution



Red (40%)

Green (88%)

Blue (35%)



Red (35%)

Yellow (88%)

Blue (83%)

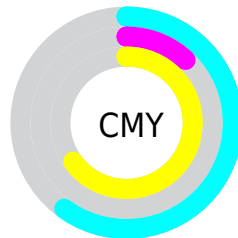


Cyan (54%)

Magenta (0%)

Yellow (60%)

Black (12%)



Cyan (60%)

Magenta (12%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9331, 0.3103, 0.5181 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 56.9331, 0.3103, 0.5181 by changing the saturation by 10% instead.



 56.9331, 0.3103,  
0.5181

 56.9331, 0.3103,  
0.5181


413.1986, 0.3174,  
0.4202


 40.9515, 0.3065,  
0.5426


 100.3676, 0.3144,  
0.4823


 28.2812, 0.3004,  
0.5736

 128.5893, 0.3155,  
0.4688

 18.5378, 0.2904,  
0.6135


 161.6598, 0.3162,  
0.4575

 11.3367, 0.2730,  
0.6656

 199.9635, 0.3167,  
0.4478

 6.2938, 0.2480,  
0.7520

243.8849, 0.3170,  
0.4395

 3.0246, 0.1827,  
0.8173

293.8082, 0.3172,

 1.1446, 0.0000,

0.4322

1.0000

350.1180, 0.3173,  
0.4258

■ 0.0157, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.9331, 0.3103,  
0.5181

■ 56.9331, 0.3103,  
0.5181

■ 55.5550, 0.3085,  
0.5486

■ 58.7198, 0.3117,  
0.4841

■ 54.5464, 0.3063,  
0.5730


■ 60.9364, 0.3126,  
0.4490

■ 53.8730, 0.3040,  
0.5895

■ 63.6110, 0.3131,  
0.4148

■ 53.4846, 0.3020,  
0.5983


■ 66.7674, 0.3132,  
0.3830

 53.4800, 0.3020,  
0.5985

 70.4278, 0.3130,  
0.3542

 74.6129, 0.3127,  
0.3286

 79.3424, 0.3122,  
0.3062

 81.7909, 0.3141,  
0.2989

# Harmonies

## Analogous

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



56.9331, 0.4045, 0.5092



56.9331, 0.3103, 0.5181



56.9331, 0.2217, 0.4373

# Triad

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



56.9331, 0.3103, 0.5181



56.9331, 0.1572, 0.1882



56.9331, 0.4848, 0.3067

# Complementary

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



56.9331, 0.3103, 0.5181



26.5241, 0.3056, 0.1845

# 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.



56.9331, 0.3928, 0.2458



56.9331, 0.3103, 0.5181



56.9331, 0.2037, 0.1809

# Square

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



56.9331, 0.3103, 0.5181



56.9331, 0.1436, 0.2303



56.9331, 0.2856, 0.2014



56.9331, 0.5160, 0.3752



# Rectangle

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



56.9331, 0.3103, 0.5181



56.9331, 0.1785, 0.3561



56.9331, 0.2856, 0.2014



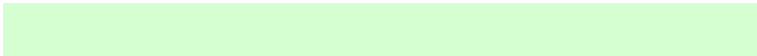
56.9331, 0.4592, 0.2852

# Sweetspot

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



56.9355, 0.3103, 0.5181



90.3619, 0.3132, 0.3779



62.9729, 0.4053, 0.4575



19.0536, 0.3132, 0.3868



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.



56.9355, 0.3103, 0.5181



74.1204, 0.3079, 0.5558



57.4837, 0.2785, 0.4464



15.4009, 0.3130, 0.3531



31.1519, 0.3024, 0.5981



2.1814, 0.3086, 0.5932



# Inverse Universe

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



26.5241, 0.3056, 0.1845



29.7939, 0.3029, 0.1632



26.0710, 0.3831, 0.2396



13.8641, 0.3122, 0.3058



10.4796, 0.2965, 0.1407

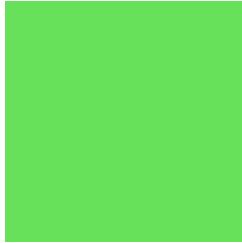


0.7464, 0.3005, 0.1429



# Previews

## White Background



This preview shows how the Yxy color 56.9331, 0.3103, 0.5181 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 56.9331, 0.3103, 0.5181 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 56.9331, 0.3103, 0.5181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.9331, 0.3103, 0.5181.

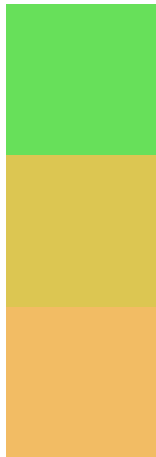


This preview shows how white text looks on a background with the Yxy color 56.9331, 0.3103, 0.5181.

# 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

56.9331, 0.3103, 0.5181

### Protanopia

56.2130, 0.4146, 0.4549

### Deuteranopia

55.7638, 0.4295, 0.4209



## Tritanopia

56.5448, 0.2522, 0.3071

# Trichromacy



## Original Color

56.9331, 0.3103, 0.5181



## Protanomaly

54.6286, 0.3703, 0.4807



## Deuteranomaly

53.6942, 0.3793, 0.4579



## Tritanomaly

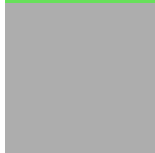
55.8401, 0.2744, 0.3819

# Monochromacy



## Original Color

56.9331, 0.3103, 0.5181



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

45.9783, 0.3133, 0.3999

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.9331, 0.3103, 0.5181 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(103, 224, 90)` looks like.

```
.text, #text, p{  
    color:rgb(103, 224, 90)  
}
```

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(103, 224, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 224, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 56.9331, 0.3103, 0.5181 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(103, 224, 90) }
```

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

```
.border{ border-color:rgb(103, 224, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 224, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 224, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 224, 90);  
box-shadow:4px 4px 4px 4px rgb(103, 224,  
90) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.9331, 0.3103, 0.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 224, 90) }
```

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

```
.background{ background-color: rgb(103,  
224, 90) }
```

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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