

# Converting Colors

Yxy(49.1612, 0.3140, 0.4826)

Have a look what the booklet for  
Yxy(49.1612, 0.3140, 0.4826)  
contains.

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# Color

**Yxy(49.3868, 0.3142, 0.4834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75CF67
RGB	117, 207, 103
RGB Percent	46%, 81%, 40%
CMY	0.5411, 0.1882, 0.5960
CMYK	0.43, 0.00, 0.50, 0.19
HSL	112°, 52%, 61%
HSV	112°, 50%, 81%
XYZ	32.1004, 49.3868, 20.6783
YIQ	168.2340, -20.2560, -51.4240

# Conversions

## Conversions Part 2

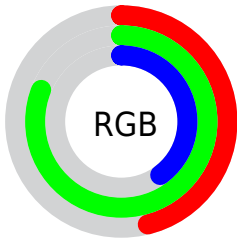
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 207, 193</a>
Decimal	<a href="#">7720807</a>
CIELab	<a href="#">75.69, -47.02, 43.13</a>
CIELCh	<a href="#">76, 63.805, 137.474</a>
Yxy	<a href="#">49.3868, 0.3142, 0.4834</a>
Android (android.graphics.Color)	<a href="#">4285910887 (0xFF75CF67)</a>
YUV	<a href="#">168.2340, -32.1604, -44.9322</a>
Hunter-Lab	<a href="#">70.2757, -41.4477, 31.7472</a>

# Details

The Yxy color **49.3868, 0.3142, 0.4834** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.5476, 0.3034, 0.2034**, and the grayscale version is **39.4522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9190, 0.3176, 0.4447**, and **23.6651, 0.3083, 0.5322** is the 20% darker color. If you saturate the color by 10%, you get **47.8986, 0.3130, 0.5169**, and if you desaturate by 10%, it is **51.2195, 0.3148, 0.4489**.

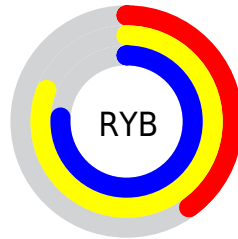
# Distribution



Red (46%)

Green (81%)

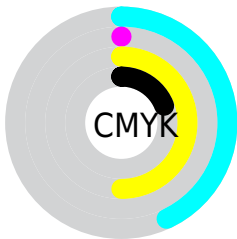
Blue (40%)



Red (40%)

Yellow (81%)

Blue (76%)

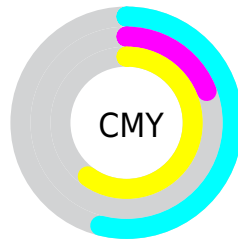


Cyan (43%)

Magenta (0%)

Yellow (50%)

Black (19%)



Cyan (54%)

Magenta (19%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3868, 0.3142, 0.4834 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 49.3868, 0.3142, 0.4834 by changing the saturation by 10% instead.




 49.3868, 0.3142,  
0.4834

 49.3868, 0.3142,  
0.4834

384.2631, 0.3173,  
0.4020


 34.9264, 0.3120,  
0.5046


 89.2657, 0.3164,  
0.4531

 23.6062, 0.3081,  
0.5320


 115.4529, 0.3169,  
0.4419

 15.0418, 0.3014,  
0.5685


 146.3180, 0.3172,  
0.4325

 8.8487, 0.2888,  
0.6186

 182.2451, 0.3173,  
0.4246

 4.6426, 0.2732,  
0.7142

223.6188, 0.3174,  
0.4177

 2.0391, 0.1979,  
0.8021

270.8234, 0.3174,

 0.6301, 0.0000,

0.4118

1.0000

324.2434, 0.3174,  
0.4066

0.0000, 0.0000,  
0.0000

49.3868, 0.3142,  
0.4834

49.3868, 0.3142,  
0.4834

47.8986, 0.3130,  
0.5169

51.2195, 0.3148,  
0.4489

46.7274, 0.3112,  
0.5470

53.4098, 0.3148,  
0.4152

45.8513, 0.3087,  
0.5712

55.9779, 0.3144,  
0.3837

45.2432, 0.3059,  
0.5880

58.9405, 0.3136,  
0.3551

44.8706, 0.3034,  
0.5973

62.3134, 0.3127,  
0.3296

■ 66.1113, 0.3117,  
0.3071

■ 70.3485, 0.3106,  
0.2875

■ 73.1055, 0.3149,  
0.2821

# Harmonies

## Analogous

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



49.3868, 0.3952, 0.4826



49.3868, 0.3142, 0.4834



49.3868, 0.2372, 0.4175

# Triad

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



49.3868, 0.3142, 0.4834



49.3868, 0.1778, 0.2082



49.3868, 0.4565, 0.3125

# Complementary

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



49.3868, 0.3142, 0.4834



25.5476, 0.3034, 0.2034

# 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.



49.3868, 0.3805, 0.2581



49.3868, 0.3142, 0.4834



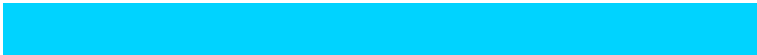
49.3868, 0.2196, 0.2005

# Square

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



49.3868, 0.3142, 0.4834



49.3868, 0.1659, 0.2469



49.3868, 0.2910, 0.2185



49.3868, 0.4849, 0.3739

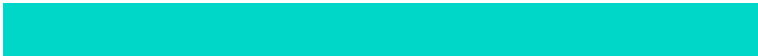


# Rectangle

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



49.3868, 0.3142, 0.4834



49.3868, 0.1988, 0.3530



49.3868, 0.2910, 0.2185



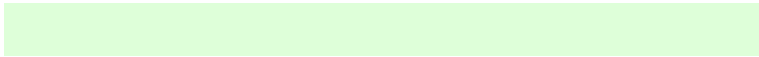
49.3868, 0.4351, 0.2933

# Sweetspot

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



49.3889, 0.3142, 0.4834



92.0306, 0.3140, 0.3689



51.6829, 0.3944, 0.4346



19.4846, 0.3142, 0.3751



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.



49.3889, 0.3142, 0.4834



76.6610, 0.3129, 0.5185



49.3867, 0.2850, 0.4318



13.2815, 0.3136, 0.3529



28.2944, 0.3039, 0.5969



1.6075, 0.3134, 0.5894



# Inverse Universe

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



25.5476, 0.3034, 0.2034



34.2826, 0.3003, 0.1810



25.8960, 0.3605, 0.2463



11.9250, 0.3117, 0.3059



8.9162, 0.2874, 0.1357



0.5214, 0.2939, 0.1393



# Previews

## White Background



This preview shows how the Yxy color 49.3868, 0.3142, 0.4834 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 49.3868, 0.3142, 0.4834 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 49.3868, 0.3142, 0.4834**

## Background



This preview shows how black text looks on a background with the Yxy color 49.3868, 0.3142, 0.4834.



This preview shows how white text looks on a background with the Yxy color 49.3868, 0.3142, 0.4834.

# 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

49.3868, 0.3142, 0.4834

### Protanopia

48.9415, 0.4006, 0.4372

### Deuteranopia

48.5995, 0.4135, 0.4048



## Tritanopia

49.1366, 0.2613, 0.3075

# Trichromacy



## Original Color

49.3868, 0.3142, 0.4834



## Protanomaly

48.3687, 0.3650, 0.4553



## Deuteranomaly

47.4883, 0.3735, 0.4332



## Tritanomaly

48.5712, 0.2807, 0.3677

# Monochromacy



## Original Color

49.3868, 0.3142, 0.4834



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

41.8591, 0.3143, 0.3852

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  49.3868, 0.3142, 0.4834 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(117, 207, 103)` looks like.

```
.text, #text, p{  
    color:rgb(117, 207, 103)  
}
```

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(117, 207, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 207, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3868, 0.3142, 0.4834 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(117, 207, 103) }
```

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

```
.border{ border-color:rgb(117, 207, 103) }
```

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

Here you see how a box with a 4 pixel rgb(117, 207, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 207, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 207, 103);  
box-shadow:4px 4px 4px 4px rgb(117, 207,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3868, 0.3142, 0.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 207, 103) }
```

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

```
.background{ background-color: rgb(117,  
207, 103) }
```

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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