

# Converting Colors

$Yxy(48.2781, 0.3003, 0.4790)$

Have a look what the booklet for  
Yxy(48.2781, 0.3003, 0.4790)  
contains.

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# Color

**Yxy(48.4391, 0.3003, 0.4797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64CF6D
RGB	100, 207, 109
RGB Percent	39%, 81%, 43%
CMY	0.6080, 0.1882, 0.5726
CMYK	0.52, 0.00, 0.47, 0.19
HSL	125°, 53%, 60%
HSV	125°, 52%, 81%
XYZ	30.3237, 48.4391, 22.2151
YIQ	163.8350, -32.3140, -53.1620

# Conversions

## Conversions Part 2

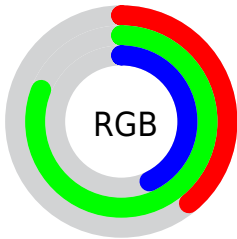
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	100, 199, 207
Decimal	6606701
CIELab	75.10, -51.02, 39.33
CIELCh	75, 64.423, 142.375
Yxy	48.4391, 0.3003, 0.4797
Android (android.graphics.Color)	4284796781 (0xFF64CF6D)
YUV	163.8350, -27.0337, -55.9833
Hunter-Lab	69.5982, -44.0251, 29.7939

# Details

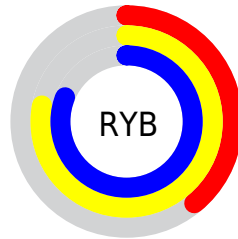
The Yxy color **48.4391, 0.3003, 0.4797** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.4472, 0.3283, 0.2145**, and the grayscale version is **37.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3977, 0.3053, 0.4407**, and **23.1473, 0.2908, 0.5282** is the 20% darker color. If you saturate the color by 10%, you get **47.0425, 0.2987, 0.5126**, and if you desaturate by 10%, it is **50.2275, 0.3024, 0.4462**.

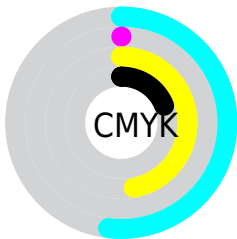
# Distribution



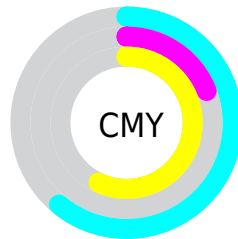
- Red (39%)
- Green (81%)
- Blue (43%)



- Red (39%)
- Yellow (78%)
- Blue (81%)



- Cyan (52%)
- Magenta (0%)
- Yellow (47%)
- Black (19%)




- Cyan (61%)
- Magenta (19%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4391, 0.3003, 0.4797 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 48.4391, 0.3003, 0.4797 by changing the saturation by 10% instead.




 48.4391, 0.3003,  
0.4797


 48.4391, 0.3003,  
0.4797


380.5300, 0.3100,  
0.3995


 34.1747, 0.2966,  
0.5009


 87.8578, 0.3048,  
0.4496


 23.0279, 0.2910,  
0.5287


 113.7810, 0.3062,  
0.4385

 14.6141, 0.2821,  
0.5662


 144.3592, 0.3072,  
0.4293

 8.5490, 0.2668,  
0.6189

 179.9769, 0.3080,  
0.4215

 4.4482, 0.2441,  
0.7117

221.0184, 0.3087,  
0.4148

 1.9273, 0.1512,  
0.8488

267.8682, 0.3092,

 0.5647, 0.0000,

0.4091

1.0000

320.9106, 0.3097,  
0.4040

■ 0.0000, 0.0000,  
0.0000

■ 48.4391, 0.3003,  
0.4797

■ 48.4391, 0.3003,  
0.4797

■ 47.0425, 0.2987,  
0.5126

■ 50.2275, 0.3024,  
0.4462

■ 46.0029, 0.2977,  
0.5427

■ 52.4276, 0.3048,  
0.4138

■ 45.2891, 0.2975,  
0.5677

■ 55.0652, 0.3074,  
0.3838

■ 44.8622, 0.2980,  
0.5857

■ 58.1622, 0.3099,  
0.3567

■ 44.6729, 0.2986,  
0.5950

■ 61.7390, 0.3123,  
0.3328

65.8148, 0.3146,  
0.3119

70.4078, 0.3167,  
0.2938

73.1109, 0.3149,  
0.2821

# Harmonies

## Analogous

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



48.4391, 0.3833, 0.4893



48.4391, 0.3003, 0.4797



48.4391, 0.2252, 0.4034

# Triad

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



48.4391, 0.3003, 0.4797



48.4391, 0.1809, 0.2033



48.4391, 0.4674, 0.3219

# Complementary

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



48.4391, 0.3003, 0.4797



26.4472, 0.3283, 0.2145

# 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.



48.4391, 0.3962, 0.2652



48.4391, 0.3003, 0.4797



48.4391, 0.2281, 0.2001

# Square

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



48.4391, 0.3003, 0.4797



48.4391, 0.1639, 0.2367



48.4391, 0.3047, 0.2222



48.4391, 0.4866, 0.3845

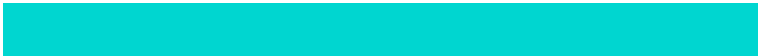


# Rectangle

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



48.4391, 0.3003, 0.4797



48.4391, 0.1898, 0.3373



48.4391, 0.3047, 0.2222



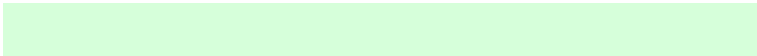
48.4391, 0.4484, 0.3020

# Sweetspot

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



48.4411, 0.3003, 0.4797



90.8896, 0.3088, 0.3685



57.5679, 0.3800, 0.4564



19.2346, 0.3082, 0.3742



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.



48.4411, 0.3003, 0.4797



75.1871, 0.2985, 0.5159



49.9602, 0.2702, 0.3956



13.2222, 0.3104, 0.3510



28.1484, 0.2983, 0.5939



1.5796, 0.2931, 0.5753



# Inverse Universe

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



26.4472, 0.3283, 0.2145



36.1808, 0.3321, 0.1954



24.4020, 0.3964, 0.2735



11.9911, 0.3150, 0.3080



10.6939, 0.3432, 0.1664



0.6031, 0.3386, 0.1639



# Previews

## White Background



This preview shows how the Yxy color 48.4391, 0.3003, 0.4797 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 48.4391, 0.3003, 0.4797 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 48.4391, 0.3003, 0.4797**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4391, 0.3003, 0.4797.



This preview shows how white text looks on a background with the Yxy color 48.4391, 0.3003, 0.4797.

# 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

48.4391, 0.3003, 0.4797

### Protanopia

47.7771, 0.3956, 0.4310

### Deuteranopia

47.3165, 0.4061, 0.3973



## Tritanopia

48.3940, 0.2527, 0.3084

# Trichromacy



## Original Color

48.4391, 0.3003, 0.4797



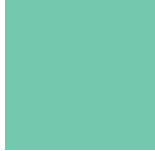
## Protanomaly

46.6981, 0.3554, 0.4502



## Deuteranomaly

46.1027, 0.3612, 0.4276



## Tritanomaly

48.0094, 0.2703, 0.3670

# Monochromacy



## Original Color

48.4391, 0.3003, 0.4797



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

40.3189, 0.3076, 0.3835

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  48.4391, 0.3003, 0.4797 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(100, 207, 109)` looks like.

```
.text, #text, p{  
    color:rgb(100, 207, 109)  
}
```

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(100, 207, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 207, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4391, 0.3003, 0.4797 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(100, 207, 109) }
```

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

```
.border{ border-color:rgb(100, 207, 109) }
```

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

Here you see how a box with a 4 pixel rgb(100, 207, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 207, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 207, 109);  
box-shadow:4px 4px 4px 4px rgb(100, 207,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4391, 0.3003, 0.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 207, 109) }
```

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

```
.background{ background-color: rgb(100,  
207, 109) }
```

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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