

# Converting Colors

$Yxy(48.9809, 0.3979, 0.4698)$

Have a look what the booklet for  
Yxy(48.9809, 0.3979, 0.4698)  
contains.

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**Color**

**Yxy(48.8324, 0.3980, 0.4700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BFBF4A</b>
RGB	<b>191, 191, 74</b>
RGB Percent	<b>75%, 75%, 29%</b>
CMY	<b>0.2510, 0.2510, 0.7100</b>
CMYK	<b>0.00, 0.00, 0.61, 0.25</b>
HSL	<b>60°, 48%, 52%</b>
HSV	<b>60°, 61%, 75%</b>
XYZ	<b>41.3517, 48.8324, 13.7146</b>
YIQ	<b>177.6620, 37.5570, -36.3870</b>

# Conversions

## Conversions Part 2

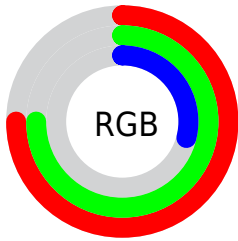
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 191, 74
Decimal	12566346
CIELab	75.35, -14.87, 57.24
CIELCh	75, 59.140, 104.561
Yxy	48.8324, 0.3980, 0.4700
Android (android.graphics.Color)	4290756426 (0xFFBFBF4A)
YUV	177.6620, -51.1054, 11.6974
Hunter-Lab	69.8802, -16.6627, 37.2799

# Details

The Yxy color **48.8324, 0.3980, 0.4700** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **10.1062, 0.1950, 0.1343**, and the grayscale version is **44.5916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4040, 0.3859, 0.4455**, and **23.3569, 0.4129, 0.5035** is the 20% darker color. If you saturate the color by 10%, you get **48.6152, 0.4070, 0.4850**, and if you desaturate by 10%, it is **49.1322, 0.3867, 0.4513**.

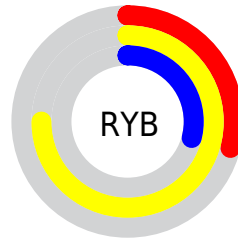
# Distribution



Red (75%)

Green (75%)

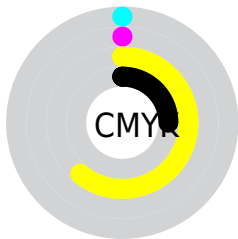
Blue (29%)



Red (29%)

Yellow (75%)

Blue (29%)

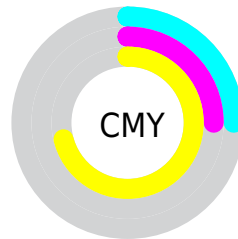


Cyan (0%)

Magenta (0%)

Yellow (61%)

Black (25%)



Cyan (25%)

Magenta (25%)


Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8324, 0.3980, 0.4700 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 48.8324, 0.3980, 0.4700 by changing the saturation by 10% instead.




 48.8324, 0.3980,  
0.4700


 48.8324, 0.3980,  
0.4700


382.0821, 0.3602,  
0.4015


 34.4865, 0.4051,  
0.4853


 88.4425, 0.3859,  
0.4462


 23.2676, 0.4126,  
0.5036


 114.4755, 0.3808,  
0.4369


 14.7912, 0.4196,  
0.5252


 145.1730, 0.3763,  
0.4288

 8.6730, 0.4283,  
0.5551

 180.9195, 0.3723,  
0.4219

 4.5285, 0.4226,  
0.5774

 222.0992, 0.3688,  
0.4158

 1.9734, 0.4012,  
0.5988

269.0966, 0.3656,

 0.5919, 0.2522,

0.4105

0.7478

322.2961, 0.3628,  
0.4057

0.0000, 0.0000,  
0.0000

48.8324, 0.3980,  
0.4700

48.8324, 0.3980,  
0.4700

48.6152, 0.4070,  
0.4850

49.1322, 0.3867,  
0.4513

48.4666, 0.4135,  
0.4957

49.5143, 0.3736,  
0.4297

48.3801, 0.4175,  
0.5022

49.9866, 0.3593,  
0.4061

48.3407, 0.4193,  
0.5053

50.5546, 0.3444,  
0.3814

51.2229, 0.3293,  
0.3565

■ 51.9961, 0.3146,  
0.3321

■ 52.8784, 0.3004,  
0.3087

■ 53.8739, 0.2872,  
0.2868

■ 54.9864, 0.2748,  
0.2664

# Harmonies

## Analogous

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



48.8324, 0.4546, 0.4252



48.8324, 0.3980, 0.4700



48.8324, 0.3228, 0.4743

# Triad

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



48.8324, 0.3980, 0.4700



48.8324, 0.1748, 0.2582



48.8324, 0.3680, 0.2581

# Complementary

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



48.8324, 0.3980, 0.4700



10.1062, 0.1950, 0.1343

# 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.



48.8324, 0.2852, 0.2222



48.8324, 0.3980, 0.4700



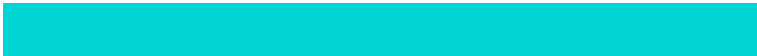
48.8324, 0.1831, 0.2178

# Square

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



48.8324, 0.3980, 0.4700



48.8324, 0.1964, 0.3311



48.8324, 0.2203, 0.2074



48.8324, 0.4412, 0.3089



# Rectangle

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



48.8324, 0.3980, 0.4700



48.8324, 0.2721, 0.4432



48.8324, 0.2203, 0.2074



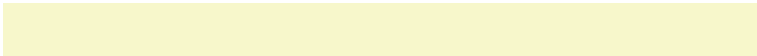
48.8324, 0.3397, 0.2441

# Sweetspot

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



48.8347, 0.3980, 0.4700



90.8769, 0.3399, 0.3739



16.4613, 0.5039, 0.3296



19.8824, 0.3443, 0.3812



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.8347, 0.3980, 0.4700



86.9463, 0.4099, 0.4896



42.7020, 0.3453, 0.5005



11.1205, 0.3264, 0.3517



31.7666, 0.4193, 0.5053



1.2443, 0.4193, 0.5053



# Inverse Universe

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



10.1062, 0.1950, 0.1343



11.5396, 0.1710, 0.0948



13.5963, 0.2498, 0.1584



9.2254, 0.2984, 0.3053



2.4721, 0.1500, 0.0600



0.0968, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 48.8324, 0.3980, 0.4700 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 48.8324, 0.3980, 0.4700 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 48.8324, 0.3980, 0.4700**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.8324, 0.3980, 0.4700.



This preview shows how white text looks on a background with the Yxy color 48.8324, 0.3980, 0.4700.

# 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

48.8324, 0.3980, 0.4700

### Protanopia

48.8511, 0.4174, 0.4586

### Deuteranopia

48.4237, 0.4427, 0.4327



## Tritanopia

48.6470, 0.3213, 0.3119

# Trichromacy



## Original Color

48.8324, 0.3980, 0.4700

## Protanomaly

48.8650, 0.4098, 0.4628

## Deuteranomaly

48.1825, 0.4266, 0.4451

## Tritanomaly

48.0747, 0.3530, 0.3712

# Monochromacy



## Original Color

48.8324, 0.3980, 0.4700

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.8277, 0.3476, 0.3867

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8324, 0.3980, 0.4700 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(191, 191, 74)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 74)  
}
```

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(191, 191, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8324, 0.3980, 0.4700 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(191, 191, 74) }
```

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

```
.border{ border-color:rgb(191, 191, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 74);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8324, 0.3980, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 74) }
```

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

```
.background{ background-color: rgb(191,  
191, 74) }
```

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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