

# Converting Colors

Yxy(48.9059, 0.3697, 0.4140)

Have a look what the booklet for  
Yxy(48.9059, 0.3697, 0.4140)  
contains.

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# Color

**Yxy(48.7090, 0.3694, 0.4138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1BC7A
RGB	193, 188, 122
RGB Percent	76%, 74%, 48%
CMY	0.2432, 0.2627, 0.5216
CMYK	0.00, 0.03, 0.37, 0.24
HSL	56°, 36%, 62%
HSV	56°, 37%, 76%
XYZ	43.4826, 48.7090, 25.5198
YIQ	181.9710, 24.1660, -19.4660

# Conversions

## Conversions Part 2

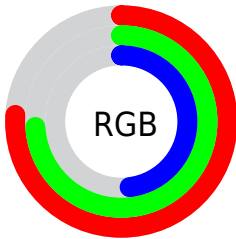
Format	Color
<b>RYB</b>	127, 193, 122
Decimal	12696698
CIELab	75.27, -8.14, 34.05
CIELCh	75, 35.010, 103.440
Yxy	48.7090, 0.3694, 0.4138
Android (android.graphics.Color)	4290886778 (0xFFC1BC7A)
YUV	181.9710, -29.5657, 9.6724
Hunter-Lab	69.7918, -10.9243, 27.1745

# Details

The Yxy color **48.7090, 0.3694, 0.4138** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.1524, 0.2475, 0.2271**, and the grayscale version is **46.9155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1205, 0.3598, 0.3987**, and **23.1991, 0.3829, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **47.7062, 0.3844, 0.4354**, and if you desaturate by 10%, it is **49.8166, 0.3538, 0.3908**.

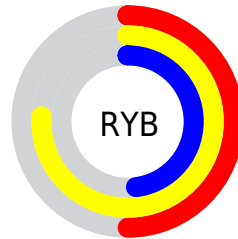
# Distribution



Red (76%)

Green (74%)

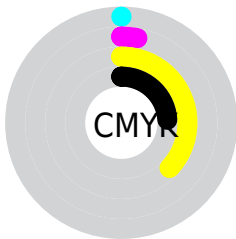
Blue (48%)



Red (50%)

Yellow (76%)

Blue (48%)

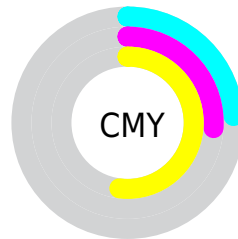


Cyan (0%)

Magenta (3%)

Yellow (37%)

Black (24%)



Cyan (24%)

Magenta (26%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7090, 0.3694, 0.4138 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 48.7090, 0.3694, 0.4138 by changing the saturation by 10% instead.





 48.7090, 0.3694,  
0.4138


 48.7090, 0.3694,  
0.4138

381.5956, 0.3422,  
0.3716


 34.3887, 0.3756,  
0.4241


 88.2591, 0.3599,  
0.3986

 23.1924, 0.3832,  
0.4370


 114.2577, 0.3562,  
0.3928

 14.7356, 0.3926,  
0.4537


 144.9178, 0.3531,  
0.3879

 8.6340, 0.4040,  
0.4757

180.6239, 0.3503,  
0.3837

 4.5033, 0.4185,  
0.5067

221.7603, 0.3479,  
0.3801

 1.9589, 0.4409,  
0.5591

268.7115, 0.3458,

 0.5834, 0.3789,

0.3769

0.6211

321.8618, 0.3439,  
0.3741

0.0000, 0.0000,  
0.0000

48.7090, 0.3694,  
0.4138

48.7090, 0.3694,  
0.4138

47.7062, 0.3844,  
0.4354

49.8166, 0.3538,  
0.3908

46.7958, 0.3982,  
0.4547

51.0276, 0.3381,  
0.3674

45.9739, 0.4101,  
0.4708


52.3489, 0.3227,  
0.3443


45.2333, 0.4197,  
0.4829


53.7852, 0.3081,  
0.3219

44.5659, 0.4266,  
0.4907

55.3406, 0.2944,  
0.3008


 43.9605, 0.4310,  
0.4943

 57.0191, 0.2817,  
0.2811

 43.7721, 0.4321,  
0.4951

 58.6904, 0.2713,  
0.2649

 59.3071, 0.2714,  
0.2664

 59.9292, 0.2715,  
0.2680

# Harmonies

## Analogous

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



48.7090, 0.4011, 0.3914



48.7090, 0.3694, 0.4138



48.7090, 0.3239, 0.4118

# Triad

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



48.7090, 0.3694, 0.4138



48.7090, 0.2257, 0.2901



48.7090, 0.3447, 0.2837

# Complementary

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



48.7090, 0.3694, 0.4138



23.1524, 0.2475, 0.2271

# 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.



48.7090, 0.2956, 0.2603



48.7090, 0.3694, 0.4138



48.7090, 0.2301, 0.2615

# Square

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



48.7090, 0.3694, 0.4138



48.7090, 0.2422, 0.3343



48.7090, 0.2546, 0.2519



48.7090, 0.3873, 0.3177



# Rectangle

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



48.7090, 0.3694, 0.4138



48.7090, 0.2922, 0.3943



48.7090, 0.2546, 0.2519



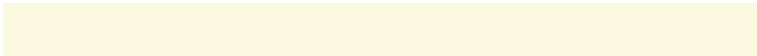
48.7090, 0.3283, 0.2745

# Sweetspot

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



48.7112, 0.3694, 0.4138



92.7240, 0.3294, 0.3544



26.8075, 0.3933, 0.3211



19.8231, 0.3315, 0.3575



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

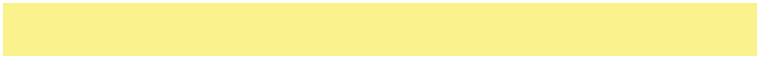


# Same Dimension

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



48.7112, 0.3694, 0.4138



85.8327, 0.3814, 0.4311



47.3610, 0.3412, 0.4279



11.6340, 0.3266, 0.3502



29.1718, 0.4319, 0.4952



1.2972, 0.4288, 0.4977



# Inverse Universe

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



23.1524, 0.2475, 0.2271



33.5284, 0.2311, 0.2009



24.4005, 0.2741, 0.2271



9.8584, 0.2983, 0.3069



2.8053, 0.1514, 0.0651



0.1609, 0.1565, 0.0835



# Previews

## White Background



This preview shows how the Yxy color 48.7090, 0.3694, 0.4138 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 48.7090, 0.3694, 0.4138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

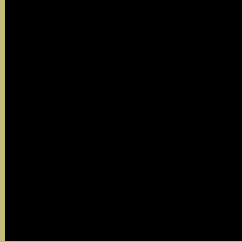
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7090, 0.3694, 0.4138**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7090, 0.3694, 0.4138.



This preview shows how white text looks on a background with the Yxy color 48.7090, 0.3694, 0.4138.

# 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

48.7090, 0.3694, 0.4138

### Protanopia

48.4959, 0.3789, 0.4094

### Deuteranopia

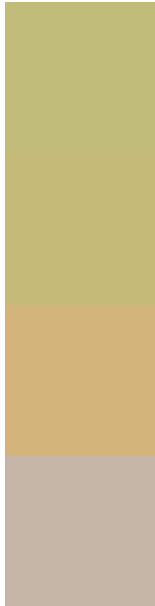
48.4291, 0.4000, 0.3914



## Tritanopia

48.5080, 0.3204, 0.3119

# Trichromacy



**Original Color**

48.7090, 0.3694, 0.4138

**Protanomaly**

48.5041, 0.3757, 0.4113

**Deuteranomaly**

48.3267, 0.3885, 0.3998

**Tritanomaly**

48.2517, 0.3389, 0.3480

# Monochromacy



**Original Color**

48.7090, 0.3694, 0.4138

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

47.2581, 0.3337, 0.3606

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7090, 0.3694, 0.4138 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(193, 188, 122)` looks like.

```
.text, #text, p{  
    color:rgb(193, 188, 122)  
}
```

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(193, 188, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 188, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7090, 0.3694, 0.4138 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(193, 188, 122) }
```

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

```
.border{ border-color:rgb(193, 188, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 188, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 188, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 188, 122);  
box-shadow:4px 4px 4px 4px rgb(193, 188,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7090, 0.3694, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 188, 122) }
```

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

```
.background{ background-color: rgb(193,  
188, 122) }
```

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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