

# Converting Colors

$Y_{xy}(49.4059, 0.3665, 0.4113)$

Have a look what the booklet for  
Yxy(49.4059, 0.3665, 0.4113)  
contains.

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# Color

**Yxy(49.2133, 0.3667, 0.4112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1BD7D
RGB	193, 189, 125
RGB Percent	76%, 74%, 49%
CMY	0.2432, 0.2588, 0.5099
CMYK	0.00, 0.02, 0.35, 0.24
HSL	56°, 35%, 62%
HSV	56°, 35%, 76%
XYZ	43.8874, 49.2133, 26.5814
YIQ	182.9000, 22.9280, -19.0560

# Conversions

## Conversions Part 2

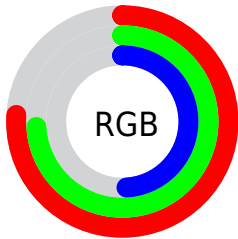
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 193, 125
Decimal	12696957
CIELab	75.58, -8.30, 32.91
CIELCh	76, 33.936, 104.154
Yxy	49.2133, 0.3667, 0.4112
Android (android.graphics.Color)	4290887037 (0xFFC1BD7D)
YUV	182.9000, -28.5447, 8.8577
Hunter-Lab	70.1522, -11.0961, 26.6409

# Details

The Yxy color  $49.2133, 0.3667, 0.4112$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $23.8967, 0.2504, 0.2309$ , and the grayscale version is  $47.4453, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.8432, 0.3576, 0.3966$ , and  $23.5196, 0.3793, 0.4340$  is the 20% darker color. If you saturate the color by 10%, you get  $48.2862, 0.3816, 0.4333$ , and if you desaturate by 10%, it is  $50.2445, 0.3512, 0.3879$ .

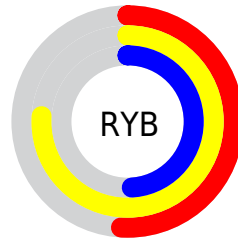
# Distribution



Red (76%)

Green (74%)

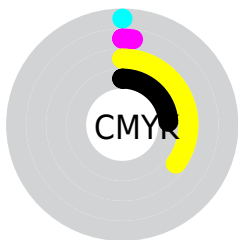
Blue (49%)



Red (51%)

Yellow (76%)

Blue (49%)

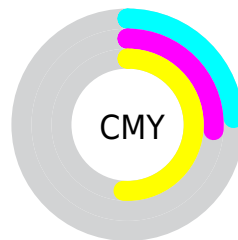


Cyan (0%)

Magenta (2%)

Yellow (35%)

Black (24%)



Cyan (24%)

Magenta (26%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2133, 0.3667, 0.4112 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 49.2133, 0.3667, 0.4112 by changing the saturation by 10% instead.





 49.2133, 0.3667,  
0.4112

 49.2133, 0.3667,  
0.4112


383.5814, 0.3408,  
0.3702


 34.7887, 0.3726,  
0.4212


 89.0082, 0.3576,  
0.3965

 23.5002, 0.3799,  
0.4338


 115.1472, 0.3541,  
0.3909

 14.9633, 0.3889,  
0.4501


 145.9599, 0.3511,  
0.3861

 8.7936, 0.3999,  
0.4716

181.8306, 0.3485,  
0.3821

 4.6068, 0.4134,  
0.5014

223.1437, 0.3462,  
0.3785

 2.0185, 0.4404,  
0.5596

270.2836, 0.3442,

 0.6182, 0.3838,

0.3754

0.6162

323.6347, 0.3424,  
0.3727

0.0000, 0.0000,  
0.0000

49.2133, 0.3667,  
0.4112

49.2133, 0.3667,  
0.4112

48.2862, 0.3816,  
0.4333

50.2445, 0.3512,  
0.3879

47.4509, 0.3954,  
0.4531

51.3781, 0.3356,  
0.3642

46.7034, 0.4073,  
0.4699


52.6213, 0.3204,  
0.3409


46.0369, 0.4170,  
0.4828

53.9784, 0.3059,  
0.3184


45.4432, 0.4240,  
0.4913

55.4536, 0.2923,  
0.2972

 44.9127, 0.4284,  
0.4956

 57.0511, 0.2798,  
0.2775

 44.6727, 0.4299,  
0.4968

 58.4435, 0.2712,  
0.2643

 58.9571, 0.2713,  
0.2656

 59.4745, 0.2714,  
0.2669

# Harmonies

## Analogous

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



49.2133, 0.3977, 0.3902



49.2133, 0.3667, 0.4112



49.2133, 0.3225, 0.4084

# Triad

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



49.2133, 0.3667, 0.4112



49.2133, 0.2283, 0.2907



49.2133, 0.3448, 0.2859

# Complementary

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



49.2133, 0.3667, 0.4112



23.8967, 0.2504, 0.2309

# 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.



49.2133, 0.2973, 0.2628



49.2133, 0.3667, 0.4112



49.2133, 0.2330, 0.2633

# Square

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



49.2133, 0.3667, 0.4112



49.2133, 0.2439, 0.3331



49.2133, 0.2572, 0.2543



49.2133, 0.3855, 0.3190



# Rectangle

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



49.2133, 0.3667, 0.4112



49.2133, 0.2919, 0.3911



49.2133, 0.2572, 0.2543



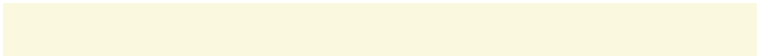
49.2133, 0.3290, 0.2768

# Sweetspot

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



49.2155, 0.3667, 0.4112



92.9174, 0.3294, 0.3547



27.5967, 0.3900, 0.3230



19.8696, 0.3314, 0.3579



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.



49.2155, 0.3667, 0.4112



86.9104, 0.3779, 0.4278



47.4540, 0.3391, 0.4238



11.6543, 0.3266, 0.3505



29.7596, 0.4298, 0.4970



1.3170, 0.4272, 0.4990



# Inverse Universe

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



23.8967, 0.2504, 0.2309



35.0671, 0.2351, 0.2062



25.4265, 0.2772, 0.2321



9.8403, 0.2983, 0.3066



2.7646, 0.1512, 0.0643



0.1527, 0.1555, 0.0798



# Previews

## White Background



This preview shows how the Yxy color 49.2133, 0.3667, 0.4112 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 49.2133, 0.3667, 0.4112 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

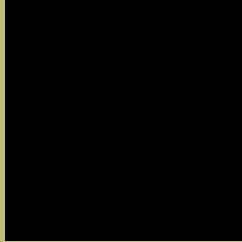
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

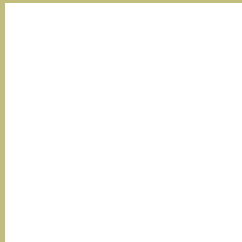
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.2133, 0.3667, 0.4112**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.2133, 0.3667, 0.4112.



This preview shows how white text looks on a background with the Yxy color 49.2133, 0.3667, 0.4112.

# 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

49.2133, 0.3667, 0.4112

### Protanopia

49.1296, 0.3770, 0.4066

### Deuteranopia

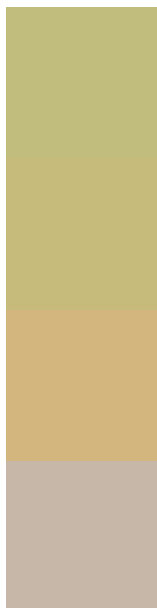
48.9027, 0.3969, 0.3891



## Tritanopia

48.9551, 0.3195, 0.3119

# Trichromacy



## Original Color

49.2133, 0.3667, 0.4112

## Protanomaly

49.1380, 0.3738, 0.4085

## Deuteranomaly

48.8111, 0.3855, 0.3974

## Tritanomaly

48.7373, 0.3371, 0.3467

# Monochromacy



## Original Color

49.2133, 0.3667, 0.4112

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.8714, 0.3328, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2133, 0.3667, 0.4112 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, 189, 125)` looks like.

```
.text, #text, p{  
    color:rgb(193, 189, 125)  
}
```

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, 189, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 189, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2133, 0.3667, 0.4112 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, 189, 125) }
```

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

```
.border{ border-color:rgb(193, 189, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 189, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 189, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 189, 125);  
box-shadow:4px 4px 4px 4px rgb(193, 189,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2133, 0.3667, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 189, 125) }
```

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

```
.background{ background-color: rgb(193,  
189, 125) }
```

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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