

# Converting Colors

$Yxy(48.9936, 0.3923, 0.4308)$

Have a look what the booklet for  
Yxy(48.9936, 0.3923, 0.4308)  
contains.

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# Color

**Yxy(49.0967, 0.3916, 0.4309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CABB68
RGB	202, 187, 104
RGB Percent	79%, 73%, 41%
CMY	0.2080, 0.2666, 0.5921
CMYK	0.00, 0.07, 0.48, 0.21
HSL	51°, 48%, 60%
HSV	51°, 48%, 79%
XYZ	44.6189, 49.0967, 20.2243
YIQ	182.0230, 35.5830, -22.6330

# Conversions

## Conversions Part 2

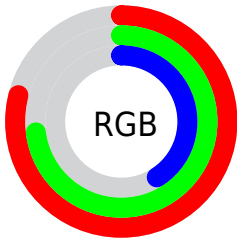
Format	Color
R <sub>Y</sub> B	122, 202, 104
Decimal	13286248
CIE Lab	75.51, -5.85, 43.67
CIE LCh	76, 44.056, 97.632
Yxy	49.0967, 0.3916, 0.4309
Android (android.graphics.Color)	4291476328 (0xFFCABB68)
YUV	182.0230, -38.4653, 17.5198
Hunter-Lab	70.0690, -8.9548, 31.9352

# Details

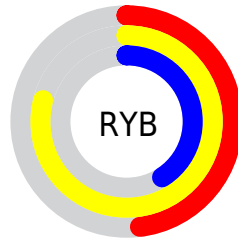
The Yxy color **49.0967, 0.3916, 0.4309** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.3895, 0.2252, 0.2000**, and the grayscale version is **46.9906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7955, 0.3747, 0.4145**, and **23.4275, 0.4096, 0.4560** is the 20% darker color. If you saturate the color by 10%, you get **47.4429, 0.4073, 0.4486**, and if you desaturate by 10%, it is **50.8814, 0.3750, 0.4109**.

# Distribution



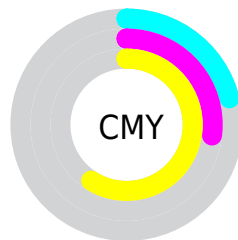
- Red (79%)
- Green (73%)
- Blue (41%)



- Red (48%)
- Yellow (79%)
- Blue (41%)



- Cyan (0%)
- Magenta (7%)
- Yellow (48%)
- Black (21%)



- Cyan (21%)
- Magenta (27%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0967, 0.3916, 0.4309 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 49.0967, 0.3916, 0.4309 by changing the saturation by 10% instead.





 49.0967, 0.3916,  
0.4309


 49.0967, 0.3916,  
0.4309


383.1229, 0.3543,  
0.3812

 34.6962, 0.3998,  
0.4424


 88.8351, 0.3788,  
0.4134


 23.4289, 0.4096,  
0.4565

 114.9417, 0.3737,  
0.4067

 14.9106, 0.4212,  
0.4738


 145.7192, 0.3694,  
0.4009

 8.7566, 0.4342,  
0.4950

 181.5519, 0.3656,  
0.3959

 4.5828, 0.4612,  
0.5362

222.8242, 0.3622,  
0.3915

 2.0046, 0.4544,  
0.5456

269.9206, 0.3593,

 0.6102, 0.4174,

0.3877

0.5826

323.2253, 0.3566,  
0.3843

0.0000, 0.0000,  
0.0000

49.0967, 0.3916,  
0.4309

49.0967, 0.3916,  
0.4309

47.4429, 0.4073,  
0.4486

50.8814, 0.3750,  
0.4109

45.9058, 0.4213,  
0.4632

52.7968, 0.3581,  
0.3896

44.4795, 0.4330,  
0.4736

54.8512, 0.3415,  
0.3680

43.1543, 0.4420,  
0.4796

57.0501, 0.3255,  
0.3466

41.9150, 0.4484,  
0.4814

59.3989, 0.3105,  
0.3260

■ 41.7331, 0.4492,  
0.4815

■ 61.9025, 0.2966,  
0.3065

■ 64.5656, 0.2839,  
0.2883

■ 66.6923, 0.2784,  
0.2819

■ 68.2444, 0.2786,  
0.2854

# Harmonies

## Analogous

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



49.0967, 0.4271, 0.3966



49.0967, 0.3916, 0.4309



49.0967, 0.3368, 0.4379

# Triad

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



49.0967, 0.3916, 0.4309



49.0967, 0.2077, 0.2885



49.0967, 0.3403, 0.2666

# Complementary

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



49.0967, 0.3916, 0.4309



20.3895, 0.2252, 0.2000

# 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.



49.0967, 0.2798, 0.2415



49.0967, 0.3916, 0.4309



49.0967, 0.2084, 0.2498

# Square

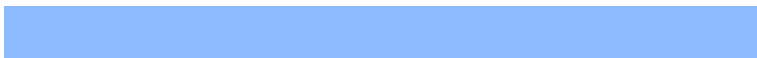
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.0967, 0.3916, 0.4309



49.0967, 0.2319, 0.3469



49.0967, 0.2332, 0.2348



49.0967, 0.3977, 0.3054



# Rectangle

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



49.0967, 0.3916, 0.4309



49.0967, 0.2972, 0.4209



49.0967, 0.2332, 0.2348



49.0967, 0.3194, 0.2565

# Sweetspot

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



49.0990, 0.3916, 0.4309



94.1097, 0.3361, 0.3609



23.8186, 0.4233, 0.3082



19.9761, 0.3396, 0.3655



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.



49.0990, 0.3916, 0.4309



80.2821, 0.4077, 0.4491



51.6922, 0.3553, 0.4587



12.7937, 0.3269, 0.3485



26.9714, 0.4488, 0.4819



1.4723, 0.4421, 0.4871



# Inverse Universe

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



20.3895, 0.2252, 0.2000



26.2283, 0.2052, 0.1678



19.4554, 0.2498, 0.1878



11.1157, 0.2982, 0.3087



3.4517, 0.1538, 0.0736



0.2682, 0.1623, 0.1044



# Previews

## White Background



This preview shows how the Yxy color 49.0967, 0.3916, 0.4309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

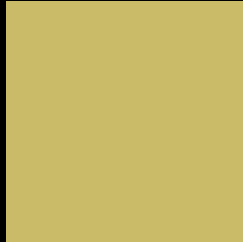
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0967, 0.3916, 0.4309 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 49.0967, 0.3916, 0.4309**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0967, 0.3916, 0.4309.



This preview shows how white text looks on a background with the Yxy color 49.0967, 0.3916, 0.4309.

# 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

49.0967, 0.3916, 0.4309

### Protanopia

48.9547, 0.3941, 0.4291

### Deuteranopia

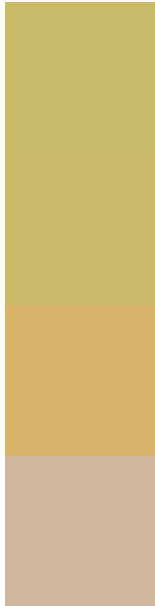
48.8158, 0.4193, 0.4094



## Tritanopia

49.0548, 0.3310, 0.3123

# Trichromacy



## Original Color

49.0967, 0.3916, 0.4309

## Protanomaly

48.8138, 0.3931, 0.4295

## Deuteranomaly

48.9731, 0.4093, 0.4177

## Tritanomaly

48.9608, 0.3550, 0.3562

# Monochromacy



## Original Color

49.0967, 0.3916, 0.4309

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.4329, 0.3413, 0.3683

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0967, 0.3916, 0.4309 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(202, 187, 104)` looks like.

```
.text, #text, p{  
    color:rgb(202, 187, 104)  
}
```

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(202, 187, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 187, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0967, 0.3916, 0.4309 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(202, 187, 104) }
```

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

```
.border{ border-color:rgb(202, 187, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 187, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 187, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 187, 104);  
box-shadow:4px 4px 4px 4px rgb(202, 187,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0967, 0.3916, 0.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 187, 104) }
```

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

```
.background{ background-color: rgb(202,  
187, 104) }
```

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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