

# Converting Colors

$Yxy(48.5962, 0.3768, 0.3909)$

Have a look what the booklet for  
Yxy(48.5962, 0.3768, 0.3909)  
contains.

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# Color

**Yxy(48.3872, 0.3768, 0.3911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFB684
RGB	207, 182, 132
RGB Percent	81%, 71%, 52%
CMY	0.1884, 0.2862, 0.4823
CMYK	0.00, 0.12, 0.36, 0.19
HSL	40°, 44%, 66%
HSV	40°, 36%, 81%
XYZ	46.6180, 48.3872, 28.7156
YIQ	183.7750, 30.9500, -10.2500

# Conversions

## Conversions Part 2

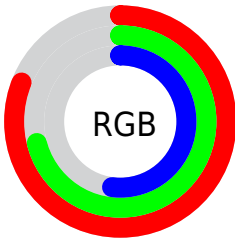
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 207, 132
Decimal	13612676
CIE Lab	75.07, 1.78, 28.76
CIE LCh	75, 28.812, 86.464
Yxy	48.3872, 0.3768, 0.3911
Android (android.graphics.Color)	4291802756 (0xFFCFB684)
YUV	183.7750, -25.5251, 20.3683
Hunter-Lab	69.5609, -2.1053, 24.2170

# Details

The Yxy color **48.3872, 0.3768, 0.3911** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.5093, 0.2523, 0.2576**, and the grayscale version is **47.9324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9119, 0.3585, 0.3823**, and **22.8890, 0.3935, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **45.1250, 0.3975, 0.4080**, and if you desaturate by 10%, it is **51.9051, 0.3572, 0.3736**.

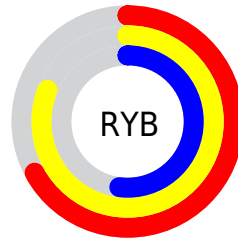
# Distribution



Red (81%)

Green (71%)

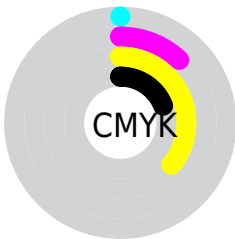
Blue (52%)



Red (67%)

Yellow (81%)

Blue (52%)

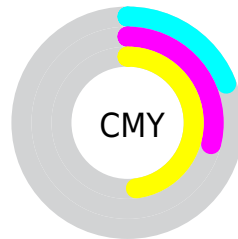


Cyan (0%)

Magenta (12%)

Yellow (36%)

Black (19%)



Cyan (19%)

Magenta (29%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3872, 0.3768, 0.3911 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 48.3872, 0.3768, 0.3911 by changing the saturation by 10% instead.




 48.3872, 0.3768,  
0.3911


 48.3872, 0.3768,  
0.3911


380.3248, 0.3453,  
0.3608


 34.1336, 0.3844,  
0.3983


 87.7806, 0.3655,  
0.3803

 22.9963, 0.3939,  
0.4073


 113.6893, 0.3612,  
0.3762

 14.5908, 0.4061,  
0.4188


 144.2517, 0.3576,  
0.3727

 8.5327, 0.4222,  
0.4336

179.8524, 0.3544,  
0.3696

 4.4376, 0.4437,  
0.4530

220.8756, 0.3517,  
0.3670

 1.9213, 0.4972,  
0.5028

267.7058, 0.3493,

 0.5611, 0.5068,

0.3647

0.4932

320.7274, 0.3472,  
0.3626

0.0000, 0.0000,  
0.0000

48.3872, 0.3768,  
0.3911

48.3872, 0.3768,  
0.3911

45.1250, 0.3975,  
0.4080

51.9051, 0.3572,  
0.3736

42.1031, 0.4186,  
0.4232

55.6801, 0.3389,  
0.3561

39.3143, 0.4392,  
0.4357

59.7219, 0.3223,  
0.3391

36.7484, 0.4585,  
0.4444

64.0378, 0.3072,  
0.3230

34.3933, 0.4754,  
0.4484

68.6345, 0.2937,  
0.3080

■ 32.2348, 0.4890,  
0.4473

■ 73.4418, 0.2824,  
0.2952

■ 31.4601, 0.4938,  
0.4461

■ 77.2056, 0.2828,  
0.3027

■ 81.1210, 0.2833,  
0.3101

■ 85.1897, 0.2837,  
0.3175

# Harmonies

## Analogous

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



48.3872, 0.3919, 0.3660



48.3872, 0.3768, 0.3911



48.3872, 0.3447, 0.4007

# Triad

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



48.3872, 0.3768, 0.3911



48.3872, 0.2458, 0.3171



48.3872, 0.3163, 0.2785

# Complementary

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



48.3872, 0.3768, 0.3911



33.5093, 0.2523, 0.2576

# 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.



48.3872, 0.2780, 0.2656



48.3872, 0.3768, 0.3911



48.3872, 0.2393, 0.2850

# Square

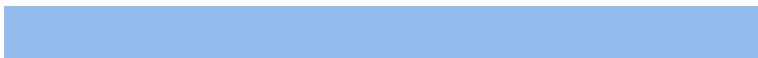
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.3872, 0.3768, 0.3911



48.3872, 0.2693, 0.3560



48.3872, 0.2506, 0.2673



48.3872, 0.3559, 0.3029



# Rectangle

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



48.3872, 0.3768, 0.3911



48.3872, 0.3185, 0.3948



48.3872, 0.2506, 0.2673



48.3872, 0.3029, 0.2727

# Sweetspot

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



48.3894, 0.3768, 0.3911



92.5106, 0.3302, 0.3474



32.1998, 0.3700, 0.2974



19.6115, 0.3325, 0.3497



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.



48.3894, 0.3768, 0.3911



73.7202, 0.3918, 0.4035



57.8065, 0.3563, 0.4218



13.1069, 0.3274, 0.3445



20.0089, 0.4925, 0.4472



1.2613, 0.4758, 0.4604



# Inverse Universe

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



33.5093, 0.2523, 0.2576



46.6641, 0.2392, 0.2401



26.9833, 0.2577, 0.2236



12.0514, 0.2982, 0.3131



5.6682, 0.1636, 0.1090



0.4616, 0.1741, 0.1466



# Previews

## White Background



This preview shows how the Yxy color 48.3872, 0.3768, 0.3911 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

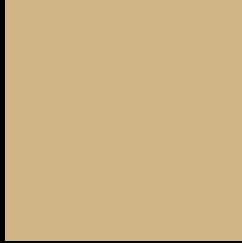
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3872, 0.3768, 0.3911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

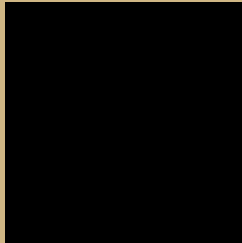
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.3872, 0.3768, 0.3911**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3872, 0.3768, 0.3911.



This preview shows how white text looks on a background with the Yxy color 48.3872, 0.3768, 0.3911.

# 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

48.3872, 0.3768, 0.3911

### Protanopia

48.5335, 0.3674, 0.3951

### Deuteranopia

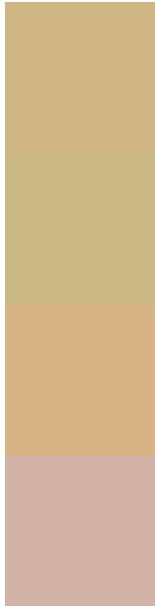
48.1978, 0.3894, 0.3817



## Tritanopia

48.4369, 0.3356, 0.3136

# Trichromacy



**Original Color**

48.3872, 0.3768, 0.3911

**Protanomaly**

48.5310, 0.3706, 0.3933

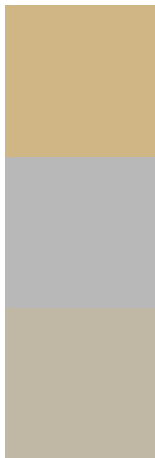
**Deuteranomaly**

48.3807, 0.3848, 0.3848

**Tritanomaly**

48.5168, 0.3507, 0.3413

# Monochromacy



**Original Color**

48.3872, 0.3768, 0.3911

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.7901, 0.3351, 0.3522

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3872, 0.3768, 0.3911 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(207, 182, 132)` looks like.

```
.text, #text, p{  
    color:rgb(207, 182, 132)  
}
```

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(207, 182, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 182, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3872, 0.3768, 0.3911 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(207, 182, 132) }
```

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

```
.border{ border-color:rgb(207, 182, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 182, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 182, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 182, 132);  
box-shadow:4px 4px 4px 4px rgb(207, 182,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3872, 0.3768, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 182, 132) }
```

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

```
.background{ background-color: rgb(207,  
182, 132) }
```

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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