

# Converting Colors

$Yxy(48.2562, 0.3846, 0.4266)$

Have a look what the booklet for  
Yxy(48.2562, 0.3846, 0.4266)  
contains.

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# Color

**Yxy(48.2277, 0.3848, 0.4256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6BA6D
RGB	198, 186, 109
RGB Percent	78%, 73%, 43%
CMY	0.2236, 0.2705, 0.5725
CMYK	0.00, 0.06, 0.45, 0.22
HSL	52°, 44%, 60%
HSV	52°, 45%, 78%
XYZ	43.6044, 48.2277, 21.4849
YIQ	180.8100, 31.8690, -21.4030

# Conversions

## Conversions Part 2

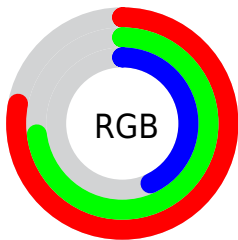
Format	Color
<b>RYB</b>	123, 198, 109
Decimal	13023853
CIELab	74.97, -6.48, 40.41
CIELCh	75, 40.922, 99.108
Yxy	48.2277, 0.3848, 0.4256
Android (android.graphics.Color)	4291213933 (0xFFC6BA6D)
YUV	180.8100, -35.4023, 15.0756
Hunter-Lab	69.4462, -9.4529, 30.2695

# Details

The Yxy color **48.2277, 0.3848, 0.4256** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.0011, 0.2320, 0.2088**, and the grayscale version is **46.2831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3729, 0.3720, 0.4088**, and **22.8416, 0.4014, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **46.7386, 0.4004, 0.4445**, and if you desaturate by 10%, it is **49.8382, 0.3684, 0.4047**.

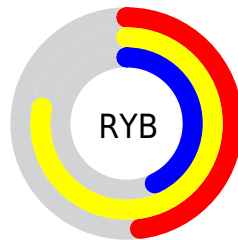
# Distribution



Red (78%)

Green (73%)

Blue (43%)



Red (48%)

Yellow (78%)

Blue (43%)

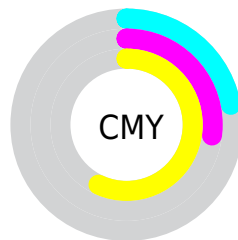


Cyan (0%)

Magenta (6%)

Yellow (45%)

Black (22%)



Cyan (22%)

Magenta (27%)


Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2277, 0.3848, 0.4256 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 48.2277, 0.3848, 0.4256 by changing the saturation by 10% instead.





 48.2277, 0.3848,  
0.4256


 48.2277, 0.3848,  
0.4256


379.6940, 0.3504,  
0.3780

 34.0072, 0.3925,  
0.4368


 87.5433, 0.3729,  
0.4087


 22.8992, 0.4018,  
0.4508


 113.4073, 0.3682,  
0.4022

 14.5191, 0.4129,  
0.4682


 143.9212, 0.3642,  
0.3967

 8.4826, 0.4258,  
0.4901

 179.4695, 0.3607,  
0.3919

 4.4052, 0.4492,  
0.5287

220.4365, 0.3577,  
0.3878

 1.9027, 0.4502,  
0.5498

267.2067, 0.3550,

 0.5500, 0.3987,

0.3841

0.6013

320.1643, 0.3526,  
0.3809

0.0000, 0.0000,  
0.0000

48.2277, 0.3848,  
0.4256

48.2277, 0.3848,  
0.4256

46.7386, 0.4004,  
0.4445

49.8382, 0.3684,  
0.4047

45.3576, 0.4146,  
0.4605

51.5694, 0.3518,  
0.3829

44.0794, 0.4266,  
0.4727

53.4292, 0.3356,  
0.3609

42.8955, 0.4360,  
0.4806

55.4227, 0.3200,  
0.3393

41.7954, 0.4426,  
0.4840

57.5547, 0.3055,  
0.3187

■ 41.2594, 0.4453,  
0.4846

■ 59.8298, 0.2920,  
0.2992

■ 62.2524, 0.2796,  
0.2812

■ 64.0015, 0.2755,  
0.2767

■ 65.3054, 0.2757,  
0.2797

# Harmonies

## Analogous

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



48.2277, 0.4190, 0.3950



48.2277, 0.3848, 0.4256



48.2277, 0.3329, 0.4297

# Triad

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



48.2277, 0.3848, 0.4256



48.2277, 0.2134, 0.2892



48.2277, 0.3416, 0.2719

# Complementary

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



48.2277, 0.3848, 0.4256



21.0011, 0.2320, 0.2088

# 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.



48.2277, 0.2846, 0.2473



48.2277, 0.3848, 0.4256



48.2277, 0.2151, 0.2536

# Square

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



48.2277, 0.3848, 0.4256



48.2277, 0.2353, 0.3430



48.2277, 0.2398, 0.2401



48.2277, 0.3943, 0.3091



# Rectangle

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



48.2277, 0.3848, 0.4256



48.2277, 0.2958, 0.4124



48.2277, 0.2398, 0.2401



48.2277, 0.3221, 0.2620

# Sweetspot

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



48.2299, 0.3848, 0.4256



95.2337, 0.3328, 0.3571



24.3593, 0.4130, 0.3116



20.2197, 0.3364, 0.3620



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.



48.2299, 0.3848, 0.4256



82.8177, 0.4002, 0.4443



49.6807, 0.3515, 0.4494



12.1642, 0.3268, 0.3488



26.9305, 0.4449, 0.4849



1.3443, 0.4388, 0.4898



# Inverse Universe

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



21.0011, 0.2320, 0.2088



28.5811, 0.2123, 0.1774



20.6078, 0.2571, 0.1999



10.5137, 0.2983, 0.3084



3.2235, 0.1532, 0.0714



0.2298, 0.1615, 0.1014



# Previews

## White Background



This preview shows how the Yxy color 48.2277, 0.3848, 0.4256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

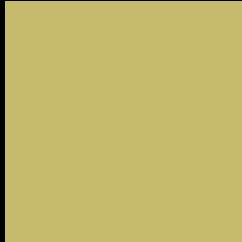
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2277, 0.3848, 0.4256 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 48.2277, 0.3848, 0.4256**

## Background



This preview shows how black text looks on a background with the Yxy color 48.2277, 0.3848, 0.4256.



This preview shows how white text looks on a background with the Yxy color 48.2277, 0.3848, 0.4256.

# 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

48.2277, 0.3848, 0.4256

### Protanopia

48.3586, 0.3891, 0.4231

### Deuteranopia

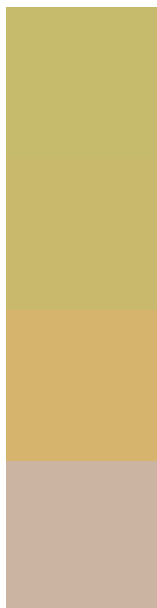
48.0457, 0.4132, 0.4041



## Tritanopia

47.8902, 0.3276, 0.3120

# Trichromacy



## Original Color

48.2277, 0.3848, 0.4256

## Protanomaly

48.2196, 0.3882, 0.4235

## Deuteranomaly

48.2154, 0.4033, 0.4123

## Tritanomaly

47.9122, 0.3490, 0.3529

# Monochromacy



## Original Color

48.2277, 0.3848, 0.4256

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.7983, 0.3389, 0.3659

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2277, 0.3848, 0.4256 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(198, 186, 109)` looks like.

```
.text, #text, p{  
    color:rgb(198, 186, 109)  
}
```

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(198, 186, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 186, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2277, 0.3848, 0.4256 is called "border". The border property can be set on classes, ids or directly on the HTML element.

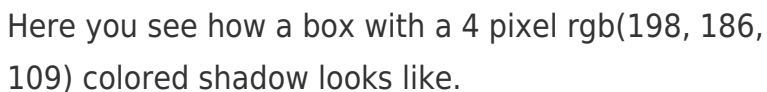
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 186, 109) }
```

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

```
.border{ border-color:rgb(198, 186, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 186, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 186, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 186, 109); box-shadow:4px 4px 4px 4px rgb(198, 186, 109) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2277, 0.3848, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 186, 109) }
```

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

```
.background{ background-color: rgb(198,  
186, 109) }
```

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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