

# Converting Colors

$Yxy(48.5304, 0.3766, 0.4290)$

Have a look what the booklet for  
Yxy(48.5304, 0.3766, 0.4290)  
contains.

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# Color

**Yxy(48.7274, 0.3770, 0.4298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0BD6E
RGB	192, 189, 110
RGB Percent	75%, 74%, 43%
CMY	0.2472, 0.2587, 0.5686
CMYK	0.00, 0.02, 0.43, 0.25
HSL	58°, 39%, 59%
HSV	58°, 43%, 75%
XYZ	42.7413, 48.7274, 21.9035
YIQ	180.8910, 27.1470, -23.9330

# Conversions

## Conversions Part 2

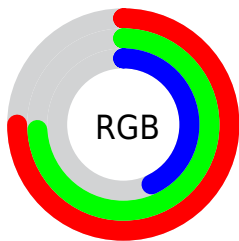
Format	Color
<a href="#">RYB</a>	<a href="#">113, 192, 110</a>
Decimal	<a href="#">12631406</a>
CIELab	<a href="#">75.28, -10.39, 40.19</a>
CIELCh	<a href="#">75, 41.515, 104.492</a>
Yxy	<a href="#">48.7274, 0.3770, 0.4298</a>
Android (android.graphics.Color)	<a href="#">4290821486 (0xFFC0BD6E)</a>
YUV	<a href="#">180.8910, -34.9493, 9.7426</a>
Hunter-Lab	<a href="#">69.8050, -12.8639, 30.2594</a>

# Details

The Yxy color **48.7274, 0.3770, 0.4298** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.9139, 0.2346, 0.2032**, and the grayscale version is **46.3256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2732, 0.3668, 0.4115**, and **23.2529, 0.3917, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **48.0608, 0.3906, 0.4506**, and if you desaturate by 10%, it is **49.4904, 0.3622, 0.4070**.

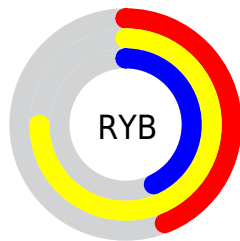
# Distribution



Red (75%)

Green (74%)

Blue (43%)



Red (44%)

Yellow (75%)

Blue (43%)

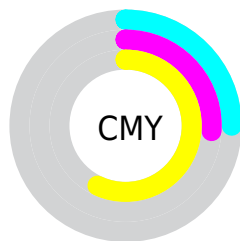


Cyan (0%)

Magenta (2%)

Yellow (43%)

Black (25%)



Cyan (25%)

Magenta (26%)


Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7274, 0.3770, 0.4298 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 48.7274, 0.3770, 0.4298 by changing the saturation by 10% instead.





 48.7274, 0.3770,  
0.4298


 48.7274, 0.3770,  
0.4298


381.6682, 0.3467,  
0.3797


 34.4033, 0.3837,  
0.4418


 88.2864, 0.3666,  
0.4119


 23.2036, 0.3916,  
0.4568


 114.2902, 0.3625,  
0.4051

 14.7439, 0.4010,  
0.4758


 144.9559, 0.3589,  
0.3992

 8.6399, 0.4115,  
0.5002

 180.6680, 0.3559,  
0.3942

 4.5070, 0.4298,  
0.5417

221.8109, 0.3532,  
0.3899

 1.9610, 0.4277,  
0.5723

268.7689, 0.3508,

 0.5847, 0.3407,

0.3861

0.6593

321.9266, 0.3486,  
0.3827

0.0000, 0.0000,  
0.0000

48.7274, 0.3770,  
0.4298

48.7274, 0.3770,  
0.4298

48.0608, 0.3906,  
0.4506

49.4904, 0.3622,  
0.4070

47.4781, 0.4025,  
0.4685

50.3485, 0.3469,  
0.3830

46.9748, 0.4121,  
0.4826


51.3089, 0.3316,  
0.3589


46.5434, 0.4192,  
0.4925


52.3763, 0.3166,  
0.3352

46.1747, 0.4237,  
0.4981


53.5548, 0.3024,  
0.3125

 45.9324, 0.4257,  
0.5002

 54.8488, 0.2890,  
0.2912

 56.2620, 0.2767,  
0.2713

 57.2343, 0.2703,  
0.2614

 57.5419, 0.2704,  
0.2622

# Harmonies

## Analogous

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



48.7274, 0.4158, 0.4024



48.7274, 0.3770, 0.4298



48.7274, 0.3229, 0.4278

# Triad

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



48.7274, 0.3770, 0.4298



48.7274, 0.2110, 0.2807



48.7274, 0.3524, 0.2773

# Complementary

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



48.7274, 0.3770, 0.4298



18.9139, 0.2346, 0.2032

# 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.



48.7274, 0.2941, 0.2498



48.7274, 0.3770, 0.4298



48.7274, 0.2170, 0.2487

# Square

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



48.7274, 0.3770, 0.4298



48.7274, 0.2288, 0.3326



48.7274, 0.2458, 0.2391



48.7274, 0.4027, 0.3165



# Rectangle

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



48.7274, 0.3770, 0.4298



48.7274, 0.2859, 0.4061



48.7274, 0.2458, 0.2391



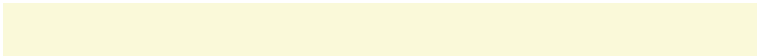
48.7274, 0.3328, 0.2665

# Sweetspot

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



48.7296, 0.3770, 0.4298



92.9257, 0.3324, 0.3601



23.5691, 0.4168, 0.3237



19.8494, 0.3358, 0.3655



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.



48.7296, 0.3770, 0.4298



87.2311, 0.3895, 0.4489



45.7803, 0.3426, 0.4458



11.6945, 0.3266, 0.3510



30.9498, 0.4256, 0.5003



1.3569, 0.4241, 0.5015



# Inverse Universe

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



18.9139, 0.2346, 0.2032



26.2486, 0.2154, 0.1717



21.1471, 0.2690, 0.2099



9.8045, 0.2983, 0.3061



2.6857, 0.1507, 0.0626



0.1364, 0.1534, 0.0723



# Previews

## White Background



This preview shows how the Yxy color 48.7274, 0.3770, 0.4298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

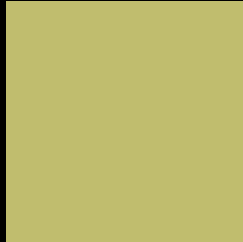
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7274, 0.3770, 0.4298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

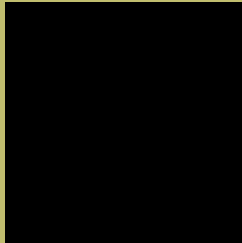
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7274, 0.3770, 0.4298**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7274, 0.3770, 0.4298.



This preview shows how white text looks on a background with the Yxy color 48.7274, 0.3770, 0.4298.

# 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

48.7274, 0.3770, 0.4298

### Protanopia

48.4986, 0.3900, 0.4228

### Deuteranopia

48.4838, 0.4110, 0.4030



## Tritanopia

48.5080, 0.3204, 0.3119

# Trichromacy



## Original Color

48.7274, 0.3770, 0.4298

## Protanomaly

48.3641, 0.3858, 0.4253

## Deuteranomaly

48.2146, 0.3983, 0.4121

## Tritanomaly

48.5171, 0.3421, 0.3544

# Monochromacy



## Original Color

48.7274, 0.3770, 0.4298

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.9618, 0.3369, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7274, 0.3770, 0.4298 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(192, 189, 110)` looks like.

```
.text, #text, p{  
    color:rgb(192, 189, 110)  
}
```

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(192, 189, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 189, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7274, 0.3770, 0.4298 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(192, 189, 110) }
```

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

```
.border{ border-color:rgb(192, 189, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 189, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 189, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 189, 110); box-shadow:4px 4px 4px 4px rgb(192, 189, 110) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7274, 0.3770, 0.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 189, 110) }
```

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

```
.background{ background-color: rgb(192,  
189, 110) }
```

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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