

# Converting Colors

$Yxy(48.5492, 0.3751, 0.4265)$

Have a look what the booklet for  
Yxy(48.5492, 0.3751, 0.4265)  
contains.

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# Color

**Yxy(48.7715, 0.3756, 0.4274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0BD70
RGB	192, 189, 112
RGB Percent	75%, 74%, 44%
CMY	0.2470, 0.2588, 0.5608
CMYK	0.00, 0.02, 0.42, 0.25
HSL	58°, 39%, 60%
HSV	58°, 42%, 75%
XYZ	42.8605, 48.7715, 22.4801
YIQ	181.1190, 26.5050, -23.3110

# Conversions

## Conversions Part 2

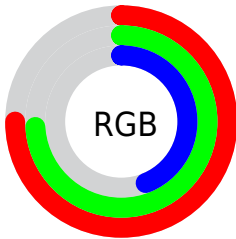
Format	Color
<a href="#">RYB</a>	<a href="#">115, 192, 112</a>
Decimal	<a href="#">12631408</a>
CIELab	<a href="#">75.31, -10.15, 39.22</a>
CIElCh	<a href="#">75, 40.515, 104.511</a>
Yxy	<a href="#">48.7715, 0.3756, 0.4274</a>
Android (android.graphics.Color)	<a href="#">4290821488 (0xFFC0BD70)</a>
YUV	<a href="#">181.1190, -34.0757, 9.5426</a>
Hunter-Lab	<a href="#">69.8366, -12.6641, 29.8004</a>

# Details

The Yxy color **48.7715, 0.3756, 0.4274** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.5085, 0.2368, 0.2069**, and the grayscale version is **46.4540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3454, 0.3656, 0.4096**, and **23.2745, 0.3900, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **48.0819, 0.3894, 0.4484**, and if you desaturate by 10%, it is **49.5583, 0.3607, 0.4044**.

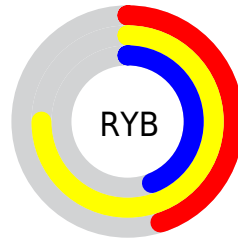
# Distribution



Red (75%)

Green (74%)

Blue (44%)



Red (45%)

Yellow (75%)

Blue (44%)

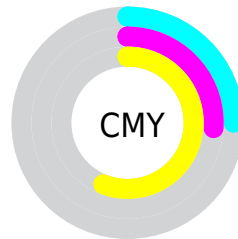


Cyan (0%)

Magenta (2%)

Yellow (42%)

Black (25%)



Cyan (25%)

Magenta (26%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7715, 0.3756, 0.4274 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 48.7715, 0.3756, 0.4274 by changing the saturation by 10% instead.





 48.7715, 0.3756,  
0.4274


 48.7715, 0.3756,  
0.4274


381.8421, 0.3459,  
0.3785

 34.4383, 0.3822,  
0.4392


 88.3520, 0.3654,  
0.4099

 23.2305, 0.3901,  
0.4539


 114.3680, 0.3613,  
0.4032

 14.7638, 0.3994,  
0.4726


 145.0471, 0.3579,  
0.3975

 8.6538, 0.4100,  
0.4967

 180.7736, 0.3548,  
0.3926

 4.5160, 0.4273,  
0.5361

221.9320, 0.3522,  
0.3884

 1.9662, 0.4291,  
0.5709

268.9066, 0.3499,

 0.5877, 0.3459,

0.3847

0.6541

322.0818, 0.3478,  
0.3814

0.0000, 0.0000,  
0.0000

48.7715, 0.3756,  
0.4274

48.7715, 0.3756,  
0.4274

48.0819, 0.3894,  
0.4484

49.5583, 0.3607,  
0.4044

47.4769, 0.4015,  
0.4666

50.4410, 0.3454,  
0.3805

46.9523, 0.4114,  
0.4811

51.4266, 0.3300,  
0.3564

46.5005, 0.4188,  
0.4914

52.5198, 0.3151,  
0.3329

46.1127, 0.4236,  
0.4974

53.7249, 0.3010,  
0.3103

■ 45.8245, 0.4260,  
0.4999

■ 55.0460, 0.2877,  
0.2892

■ 56.4869, 0.2755,  
0.2695

■ 57.3502, 0.2704,  
0.2617

■ 57.6729, 0.2704,  
0.2625

# Harmonies

## Analogous

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



48.7715, 0.4134, 0.4010



48.7715, 0.3756, 0.4274



48.7715, 0.3228, 0.4252

# Triad

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



48.7715, 0.3756, 0.4274



48.7715, 0.2132, 0.2819



48.7715, 0.3515, 0.2784

# Complementary

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



48.7715, 0.3756, 0.4274



19.5085, 0.2368, 0.2069

# 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.



48.7715, 0.2946, 0.2515



48.7715, 0.3756, 0.4274



48.7715, 0.2191, 0.2506

# Square

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



48.7715, 0.3756, 0.4274



48.7715, 0.2307, 0.3326



48.7715, 0.2473, 0.2411



48.7715, 0.4006, 0.3169



# Rectangle

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



48.7715, 0.3756, 0.4274



48.7715, 0.2866, 0.4040



48.7715, 0.2473, 0.2411



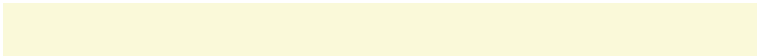
48.7715, 0.3324, 0.2679

# Sweetspot

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



48.7737, 0.3756, 0.4274



92.8920, 0.3324, 0.3601



24.0534, 0.4131, 0.3238



19.8409, 0.3358, 0.3654



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.



48.7737, 0.3756, 0.4274



87.2213, 0.3882, 0.4467



45.9380, 0.3420, 0.4428



11.6915, 0.3266, 0.3509



30.8603, 0.4259, 0.5000



1.3539, 0.4243, 0.5013



# Inverse Universe

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



19.5085, 0.2368, 0.2069



27.1198, 0.2175, 0.1755



21.6872, 0.2703, 0.2130



9.8071, 0.2983, 0.3061



2.6916, 0.1508, 0.0627



0.1376, 0.1536, 0.0729



# Previews

## White Background



This preview shows how the Yxy color 48.7715, 0.3756, 0.4274 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 48.7715, 0.3756, 0.4274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

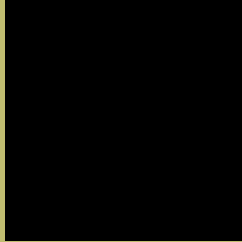
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

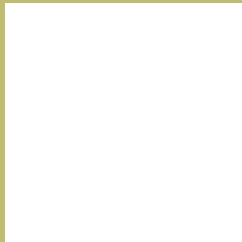
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.7715, 0.3756, 0.4274**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7715, 0.3756, 0.4274.



This preview shows how white text looks on a background with the Yxy color 48.7715, 0.3756, 0.4274.

# 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

48.7715, 0.3756, 0.4274

### Protanopia

48.5421, 0.3885, 0.4205

### Deuteranopia

48.5294, 0.4094, 0.4009



## Tritanopia

48.5080, 0.3204, 0.3119

# Trichromacy



## Original Color

48.7715, 0.3756, 0.4274

## Protanomaly

48.4076, 0.3843, 0.4229

## Deuteranomaly

48.2597, 0.3967, 0.4099

## Tritanomaly

48.5531, 0.3413, 0.3531

# Monochromacy



## Original Color

48.7715, 0.3756, 0.4274

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.9956, 0.3361, 0.3660

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7715, 0.3756, 0.4274 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(192, 189, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 189, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7715, 0.3756, 0.4274 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, 112) }
```

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

```
.border{ border-color:rgb(192, 189, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 189, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 189, 112);  
box-shadow:4px 4px 4px 4px rgb(192, 189,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7715, 0.3756, 0.4274 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, 112) }
```

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

```
.background{ background-color: rgb(192,  
189, 112) }
```

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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