

# Converting Colors

$Yxy(48.3969, 0.3591, 0.4097)$

Have a look what the booklet for  
Yxy(48.3969, 0.3591, 0.4097)  
contains.

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# Color

**Yxy(48.4923, 0.3597, 0.4102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBBD7F
RGB	187, 189, 127
RGB Percent	73%, 74%, 50%
CMY	0.2667, 0.2588, 0.5019
CMYK	0.01, 0.00, 0.33, 0.26
HSL	62°, 32%, 62%
HSV	62°, 33%, 74%
XYZ	42.5224, 48.4923, 27.2016
YIQ	181.3340, 18.7100, -19.7060

# Conversions

## Conversions Part 2

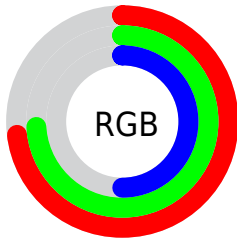
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 189, 129
Decimal	12303743
CIELab	75.13, -10.41, 31.17
CIELCh	75, 32.858, 108.471
Yxy	48.4923, 0.3597, 0.4102
Android (android.graphics.Color)	4290493823 (0xFFBBBD7F)
YUV	181.3340, -26.7867, 4.9691
Hunter-Lab	69.6364, -12.8655, 25.5855

# Details

The Yxy color **48.4923, 0.3597, 0.4102** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.5253, 0.2566, 0.2337**, and the grayscale version is **46.5405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8332, 0.3522, 0.3956**, and **23.1307, 0.3712, 0.4333** is the 20% darker color. If you saturate the color by 10%, you get **47.9700, 0.3733, 0.4340**, and if you desaturate by 10%, it is **49.1117, 0.3454, 0.3853**.

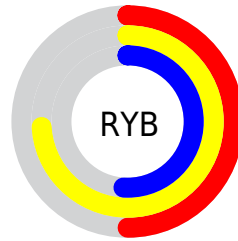
# Distribution



Red (73%)

Green (74%)

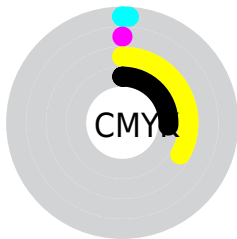
Blue (50%)



Red (50%)

Yellow (74%)

Blue (51%)

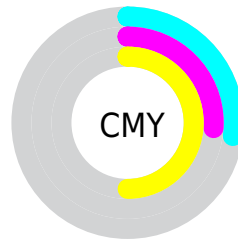


Cyan (1%)

Magenta (0%)

Yellow (33%)

Black (26%)



Cyan (27%)

Magenta (26%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4923, 0.3597, 0.4102 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 48.4923, 0.3597, 0.4102 by changing the saturation by 10% instead.





 48.4923, 0.3597,  
0.4102

 48.4923, 0.3597,  
0.4102


380.7402, 0.3372,  
0.3694


 34.2169, 0.3649,  
0.4203

 87.9369, 0.3518,  
0.3954

 23.0603, 0.3712,  
0.4331


 113.8750, 0.3488,  
0.3898

 14.6380, 0.3789,  
0.4499


 144.4694, 0.3462,  
0.3851

 8.5657, 0.3884,  
0.4725

180.1045, 0.3439,  
0.3811

 4.4590, 0.3996,  
0.5042

221.1647, 0.3419,  
0.3776

 1.9335, 0.4273,  
0.5727

268.0345, 0.3402,

 0.5684, 0.3348,

0.3745

0.6652

321.0982, 0.3386,  
0.3718

0.0000, 0.0000,  
0.0000

48.4923, 0.3597,  
0.4102

48.4923, 0.3597,  
0.4102

47.9700, 0.3733,  
0.4340

49.1117, 0.3454,  
0.3853

47.5331, 0.3855,  
0.4558

49.8266, 0.3309,  
0.3603

47.1781, 0.3959,  
0.4745


50.6434, 0.3166,  
0.3357


46.8987, 0.4040,  
0.4896


51.5664, 0.3029,  
0.3122

46.6875, 0.4096,  
0.5004

52.5995, 0.2899,  
0.2901

 46.5357, 0.4126,  
0.5069

 53.7464, 0.2779,  
0.2696

 46.4511, 0.4137,  
0.5097

 54.7296, 0.2693,  
0.2550

 54.8092, 0.2697,  
0.2550

 54.8891, 0.2701,  
0.2551

# Harmonies

## Analogous

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



48.4923, 0.3923, 0.3927



48.4923, 0.3597, 0.4102



48.4923, 0.3158, 0.4034

# Triad

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



48.4923, 0.3597, 0.4102



48.4923, 0.2298, 0.2869



48.4923, 0.3505, 0.2911

# Complementary

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



48.4923, 0.3597, 0.4102



23.5253, 0.2566, 0.2337

# 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.



48.4923, 0.3043, 0.2668



48.4923, 0.3597, 0.4102



48.4923, 0.2373, 0.2626

# Square

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



48.4923, 0.3597, 0.4102



48.4923, 0.2423, 0.3266



48.4923, 0.2635, 0.2563



48.4923, 0.3878, 0.3245



# Rectangle

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



48.4923, 0.3597, 0.4102



48.4923, 0.2864, 0.3843



48.4923, 0.2635, 0.2563



48.4923, 0.3353, 0.2817

# Sweetspot

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



48.4945, 0.3597, 0.4102



89.6027, 0.3271, 0.3537



27.8027, 0.3871, 0.3307



19.2262, 0.3291, 0.3572



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.4945, 0.3597, 0.4102



86.1906, 0.3691, 0.4266



45.0954, 0.3329, 0.4179



11.1044, 0.3259, 0.3517



31.2588, 0.4138, 0.5097



1.2294, 0.4152, 0.5085



# Inverse Universe

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



23.5253, 0.2566, 0.2337



34.8948, 0.2426, 0.2102



26.2319, 0.2855, 0.2409



9.2397, 0.2989, 0.3053



2.5051, 0.1512, 0.0607



0.1032, 0.1558, 0.0632



# Previews

## White Background



This preview shows how the Yxy color 48.4923, 0.3597, 0.4102 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 48.4923, 0.3597, 0.4102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

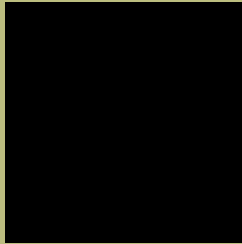
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4923, 0.3597, 0.4102**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4923, 0.3597, 0.4102.



This preview shows how white text looks on a background with the Yxy color 48.4923, 0.3597, 0.4102.

# 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

48.4923, 0.3597, 0.4102

### Protanopia

48.4580, 0.3748, 0.4048

### Deuteranopia

48.2716, 0.3929, 0.3850



## Tritanopia

48.5900, 0.3135, 0.3117

# Trichromacy



## Original Color

48.4923, 0.3597, 0.4102

## Protanomaly

48.2263, 0.3690, 0.4060

## Deuteranomaly

48.0426, 0.3807, 0.3934

## Tritanomaly

48.3897, 0.3308, 0.3470

# Monochromacy



## Original Color

48.4923, 0.3597, 0.4102

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.9215, 0.3302, 0.3595

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4923, 0.3597, 0.4102 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(187, 189, 127)` looks like.

```
.text, #text, p{  
    color:rgb(187, 189, 127)  
}
```

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(187, 189, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 189, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4923, 0.3597, 0.4102 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(187, 189, 127) }
```

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

```
.border{ border-color:rgb(187, 189, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 189, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 189, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 189, 127); box-shadow:4px 4px 4px 4px rgb(187, 189, 127) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4923, 0.3597, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 189, 127) }
```

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

```
.background{ background-color: rgb(187,  
189, 127) }
```

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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