

# Converting Colors

Yxy(48.9143, 0.3597, 0.3811)

Have a look what the booklet for  
Yxy(48.9143, 0.3597, 0.3811)  
contains.

<b>Yxy(48.9909, 0.3593, 0.3810)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(48.9909, 0.3593, 0.3810)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8B990
RGB	200, 185, 144
RGB Percent	78%, 73%, 56%
CMY	0.2157, 0.2745, 0.4354
CMYK	0.00, 0.07, 0.28, 0.22
HSL	44°, 34%, 67%
HSV	44°, 28%, 78%
XYZ	46.2006, 48.9909, 33.3935
YIQ	184.8110, 22.1010, -9.5710

# Conversions

## Conversions Part 2

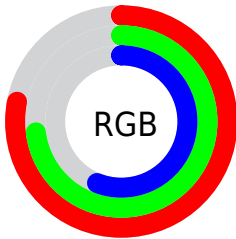
Format	Color
<b>RYB</b>	164, 200, 144
Decimal	13154704
CIELab	75.45, -1.03, 22.79
CIELCh	75, 22.813, 92.586
Yxy	48.9909, 0.3593, 0.3810
Android (android.graphics.Color)	4291344784 (0xFFC8B990)
YUV	184.8110, -20.1198, 13.3208
Hunter-Lab	69.9935, -4.6661, 20.7085

# Details

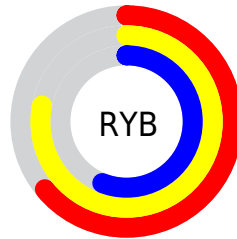
The Yxy color **48.9909, 0.3593, 0.3810** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.8802, 0.2665, 0.2709**, and the grayscale version is **48.5098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2478, 0.3494, 0.3720**, and **23.3126, 0.3718, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **46.2375, 0.3780, 0.3999**, and if you desaturate by 10%, it is **51.9414, 0.3415, 0.3620**.

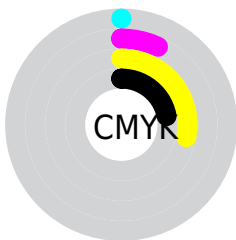
# Distribution



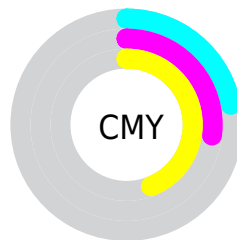
- Red (78%)
- Green (73%)
- Blue (56%)



- Red (64%)
- Yellow (78%)
- Blue (56%)



- Cyan (0%)
- Magenta (7%)
- Yellow (28%)
- Black (22%)




- Cyan (22%)
- Magenta (27%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9909, 0.3593, 0.3810 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 48.9909, 0.3593, 0.3810 by changing the saturation by 10% instead.




 48.9909, 0.3593,  
0.3810


 48.9909, 0.3593,  
0.3810


382.7065, 0.3364,  
0.3553

 34.6123, 0.3649,  
0.3873


 88.6779, 0.3511,  
0.3718

 23.3644, 0.3719,  
0.3952


 114.7551, 0.3480,  
0.3683

 14.8628, 0.3810,  
0.4055


145.5006, 0.3453,  
0.3653

 8.7231, 0.3932,  
0.4195

181.2988, 0.3430,  
0.3627

 4.5610, 0.4100,  
0.4390

222.5341, 0.3410,  
0.3605

 1.9921, 0.4501,  
0.4846

269.5909, 0.3393,

 0.6029, 0.4761,

0.3586

0.5239

322.8536, 0.3377,  
0.3568

0.0000, 0.0000,  
0.0000

48.9909, 0.3593,  
0.3810

48.9909, 0.3593,  
0.3810

46.2375, 0.3780,  
0.3999

51.9414, 0.3415,  
0.3620

43.6678, 0.3972,  
0.4178

55.0886, 0.3250,  
0.3433

41.2770, 0.4162,  
0.4339

58.4404, 0.3098,  
0.3255

39.0571, 0.4342,  
0.4469

62.0024, 0.2961,  
0.3088

36.9994, 0.4504,  
0.4560

65.7799, 0.2837,  
0.2932

■ 35.0936, 0.4639,  
0.4604

■ 69.1866, 0.2776,  
0.2879

■ 33.3251, 0.4745,  
0.4602

■ 71.9926, 0.2780,  
0.2938

■ 32.9861, 0.4764,  
0.4599

■ 74.8889, 0.2784,  
0.2997

■ 77.8764, 0.2788,  
0.3056

# Harmonies

## Analogous

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



48.9909, 0.3741, 0.3637



48.9909, 0.3593, 0.3810



48.9909, 0.3322, 0.3844

# Triad

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



48.9909, 0.3593, 0.3810



48.9909, 0.2571, 0.3143



48.9909, 0.3224, 0.2919

# Complementary

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



48.9909, 0.3593, 0.3810



34.8802, 0.2665, 0.2709

# 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.



48.9909, 0.2911, 0.2793



48.9909, 0.3593, 0.3810



48.9909, 0.2547, 0.2906

# Square

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



48.9909, 0.3593, 0.3810



48.9909, 0.2736, 0.3442



48.9909, 0.2668, 0.2785



48.9909, 0.3524, 0.3132



# Rectangle

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



48.9909, 0.3593, 0.3810



48.9909, 0.3113, 0.3771



48.9909, 0.2668, 0.2785



48.9909, 0.3117, 0.2866

# Sweetspot

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



48.9931, 0.3593, 0.3810



95.3214, 0.3251, 0.3435



34.7492, 0.3562, 0.3085



20.2200, 0.3276, 0.3463



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.



48.9931, 0.3593, 0.3810



81.6987, 0.3713, 0.3933



53.9955, 0.3443, 0.4007



11.9183, 0.3272, 0.3458



21.1274, 0.4755, 0.4607



1.1150, 0.4613, 0.4719



# Inverse Universe

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



34.8802, 0.2665, 0.2709



53.0581, 0.2547, 0.2549



31.1861, 0.2748, 0.2511



10.7415, 0.2983, 0.3116



4.4285, 0.1594, 0.0939



0.3329, 0.1713, 0.1366



# Previews

## White Background



This preview shows how the Yxy color 48.9909, 0.3593, 0.3810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

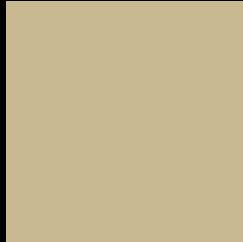
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9909, 0.3593, 0.3810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

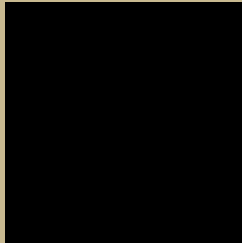
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.9909, 0.3593, 0.3810**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9909, 0.3593, 0.3810.



This preview shows how white text looks on a background with the Yxy color 48.9909, 0.3593, 0.3810.

# 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

48.9909, 0.3593, 0.3810

### Protanopia

49.1372, 0.3571, 0.3825

### Deuteranopia

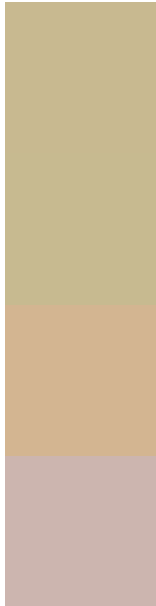
48.6368, 0.3766, 0.3689



## Tritanopia

48.7684, 0.3257, 0.3121

# Trichromacy



## Original Color

48.9909, 0.3593, 0.3810

## Protanomaly

49.2735, 0.3580, 0.3823

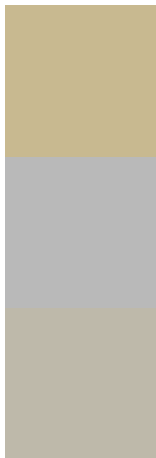
## Deuteranomaly

48.9410, 0.3699, 0.3733

## Tritanomaly

48.9803, 0.3377, 0.3365

# Monochromacy



## Original Color

48.9909, 0.3593, 0.3810

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.5474, 0.3289, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9909, 0.3593, 0.3810 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(200, 185, 144)` looks like.

```
.text, #text, p{  
    color:rgb(200, 185, 144)  
}
```

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(200, 185, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 185, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9909, 0.3593, 0.3810 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(200, 185, 144) }
```

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

```
.border{ border-color:rgb(200, 185, 144) }
```

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

Here you see how a box with a 4 pixel rgb(200, 185, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 185, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 185, 144);  
box-shadow:4px 4px 4px 4px rgb(200, 185,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9909, 0.3593, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 185, 144) }
```

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

```
.background{ background-color: rgb(200,  
185, 144) }
```

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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