

# Converting Colors

Yxy(50.7433, 0.3641, 0.3814)

Have a look what the booklet for  
Yxy(50.7433, 0.3641, 0.3814)  
contains.

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# Color

**Yxy(50.8504, 0.3641, 0.3809)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFBB91
RGB	207, 187, 145
RGB Percent	81%, 73%, 57%
CMY	0.1883, 0.2666, 0.4314
CMYK	0.00, 0.10, 0.30, 0.19
HSL	41°, 39%, 69%
HSV	41°, 30%, 81%
XYZ	48.6076, 50.8504, 34.0427
YIQ	188.1920, 25.4020, -8.8220

# Conversions

## Conversions Part 2

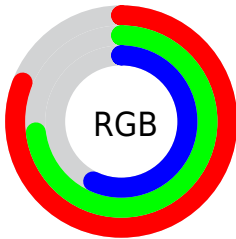
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 207, 145
Decimal	13613969
CIELab	76.59, 0.76, 23.89
CIELCh	77, 23.904, 88.184
Yxy	50.8504, 0.3641, 0.3809
Android (android.graphics.Color)	4291804049 (0xFFCFBB91)
YUV	188.1920, -21.2937, 16.4946
Hunter-Lab	71.3095, -3.1183, 21.6120

# Details

The Yxy color **50.8504, 0.3641, 0.3809** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4204, 0.2634, 0.2709**, and the grayscale version is **50.5164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4847, 0.3484, 0.3729**, and **24.5337, 0.3782, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **47.5080, 0.3840, 0.3985**, and if you desaturate by 10%, it is **54.4451, 0.3454, 0.3631**.

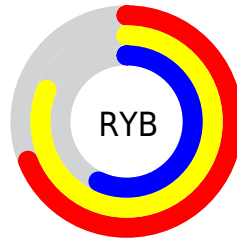
# Distribution



Red (81%)

Green (73%)

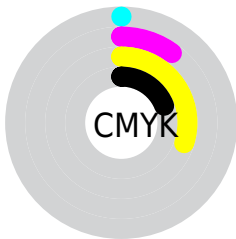
Blue (57%)



Red (69%)

Yellow (81%)

Blue (57%)

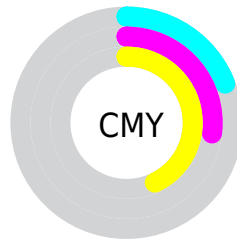


Cyan (0%)

Magenta (10%)

Yellow (30%)

Black (19%)



Cyan (19%)

Magenta (27%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8504, 0.3641, 0.3809 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 50.8504, 0.3641, 0.3809 by changing the saturation by 10% instead.





 50.8504, 0.3641,  
0.3809


 50.8504, 0.3641,  
0.3809

389.9823, 0.3389,  
0.3556

 36.0896, 0.3702,  
0.3870


 91.4336, 0.3551,  
0.3719

 24.5034, 0.3778,  
0.3946


 118.0248, 0.3517,  
0.3684

 15.7074, 0.3877,  
0.4045


149.3281, 0.3488,  
0.3655

 9.3174, 0.4008,  
0.4175

185.7281, 0.3462,  
0.3629

 4.9488, 0.4190,  
0.4354

227.6092, 0.3441,  
0.3607

 2.2172, 0.4568,  
0.4729

275.3556, 0.3421,

 0.7294, 0.4939,

0.3588

0.5061

329.3518, 0.3404,  
0.3571

0.0000, 0.0000,  
0.0000

50.8504, 0.3641,  
0.3809

50.8504, 0.3641,  
0.3809

47.5080, 0.3840,  
0.3985

54.4451, 0.3454,  
0.3631

44.4028, 0.4046,  
0.4151

58.2926, 0.3282,  
0.3456

41.5284, 0.4253,  
0.4297

62.4025, 0.3126,  
0.3289

38.8753, 0.4451,  
0.4411

66.7814, 0.2986,  
0.3132

36.4328, 0.4631,  
0.4483

71.4360, 0.2860,  
0.2986

■ 34.1886, 0.4784,  
0.4506

■ 75.4244, 0.2826,  
0.2992

■ 32.1216, 0.4908,  
0.4485

■ 79.1419, 0.2830,  
0.3064

■ 32.1095, 0.4909,  
0.4484

■ 83.0022, 0.2835,  
0.3136

■ 87.0066, 0.2839,  
0.3206

# Harmonies

## Analogous

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



50.8504, 0.3771, 0.3614



50.8504, 0.3641, 0.3809



50.8504, 0.3375, 0.3870

# Triad

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



50.8504, 0.3641, 0.3809



50.8504, 0.2569, 0.3180



50.8504, 0.3178, 0.2881

# Complementary

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



50.8504, 0.3641, 0.3809



37.4204, 0.2634, 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.



50.8504, 0.2860, 0.2768



50.8504, 0.3641, 0.3809



50.8504, 0.2522, 0.2922

# Square

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



50.8504, 0.3641, 0.3809



50.8504, 0.2758, 0.3493



50.8504, 0.2625, 0.2778



50.8504, 0.3497, 0.3090



# Rectangle

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



50.8504, 0.3641, 0.3809



50.8504, 0.3160, 0.3812



50.8504, 0.2625, 0.2778



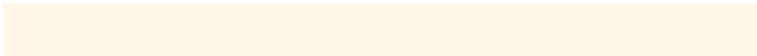
50.8504, 0.3068, 0.2831

# Sweetspot

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



50.8527, 0.3641, 0.3809



93.9835, 0.3269, 0.3442



36.2544, 0.3570, 0.3031



19.9152, 0.3293, 0.3467



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.



50.8527, 0.3641, 0.3809



77.9974, 0.3769, 0.3924



58.4787, 0.3490, 0.4054



13.1289, 0.3274, 0.3447



20.4144, 0.4896, 0.4494



1.2818, 0.4736, 0.4621



# Inverse Universe

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



37.4204, 0.2634, 0.2709



53.0638, 0.2518, 0.2559



31.7575, 0.2689, 0.2442



12.0304, 0.2982, 0.3128



5.4956, 0.1629, 0.1062

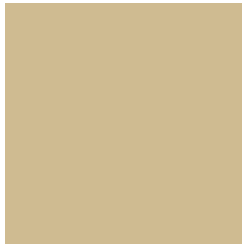


0.4501, 0.1733, 0.1438



# Previews

## White Background



This preview shows how the Yxy color 50.8504, 0.3641, 0.3809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

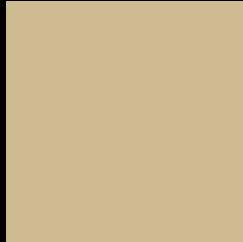
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.8504, 0.3641, 0.3809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

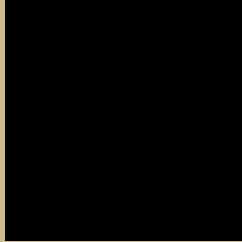
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

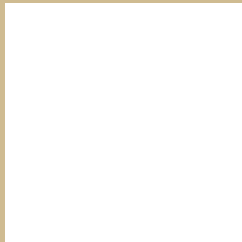
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.8504, 0.3641, 0.3809**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.8504, 0.3641, 0.3809.



This preview shows how white text looks on a background with the Yxy color 50.8504, 0.3641, 0.3809.

# 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

50.8504, 0.3641, 0.3809

### Protanopia

51.0271, 0.3582, 0.3828

### Deuteranopia

50.6527, 0.3791, 0.3705



## Tritanopia

50.6837, 0.3299, 0.3125

# Trichromacy



## Original Color

50.8504, 0.3641, 0.3809

## Protanomaly

50.8791, 0.3603, 0.3813

## Deuteranomaly

50.6940, 0.3738, 0.3735

## Tritanomaly

50.8504, 0.3427, 0.3375

# Monochromacy



## Original Color

50.8504, 0.3641, 0.3809

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.5471, 0.3312, 0.3492

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8504, 0.3641, 0.3809 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(207, 187, 145)` looks like.

```
.text, #text, p{  
    color:rgb(207, 187, 145)  
}
```

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(207, 187, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 187, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8504, 0.3641, 0.3809 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(207, 187, 145) }
```

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

```
.border{ border-color:rgb(207, 187, 145) }
```

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

Here you see how a box with a 4 pixel rgb(207, 187, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 187, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 187, 145);  
box-shadow:4px 4px 4px 4px rgb(207, 187,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8504, 0.3641, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 187, 145) }
```

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

```
.background{ background-color: rgb(207,  
187, 145) }
```

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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