

# Converting Colors

$Yxy(48.9247, 0.3644, 0.3801)$

Have a look what the booklet for  
Yxy(48.9247, 0.3644, 0.3801)  
contains.

<b>Yxy(49.1015, 0.3641, 0.3804)</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(49.1015, 0.3641, 0.3804)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCB88F
RGB	204, 184, 143
RGB Percent	80%, 72%, 56%
CMY	0.2000, 0.2784, 0.4393
CMYK	0.00, 0.10, 0.30, 0.20
HSL	40°, 37%, 68%
HSV	40°, 30%, 80%
XYZ	46.9975, 49.1015, 32.9796
YIQ	185.3060, 25.0810, -8.5110

# Conversions

## Conversions Part 2

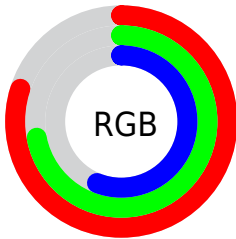
Format	Color
<b>RYB</b>	173, 204, 143
Decimal	13416591
CIELab	75.51, 0.92, 23.47
CIElCh	76, 23.486, 87.750
Yxy	49.1015, 0.3641, 0.3804
Android (android.graphics.Color)	4291606671 (0xFFCCB88F)
YUV	185.3060, -20.8569, 16.3946
Hunter-Lab	70.0725, -2.9071, 21.1459

# Details

The Yxy color **49.1015, 0.3641, 0.3804** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.3797, 0.2636, 0.2715**, and the grayscale version is **48.8029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6114, 0.3503, 0.3721**, and **23.3949, 0.3785, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **45.8298, 0.3840, 0.3979**, and if you desaturate by 10%, it is **52.6212, 0.3454, 0.3627**.

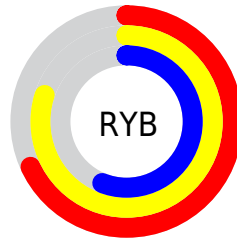
# Distribution



Red (80%)

Green (72%)

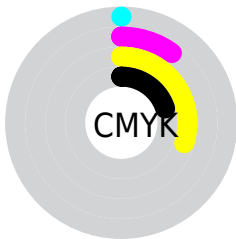
Blue (56%)



Red (68%)

Yellow (80%)

Blue (56%)

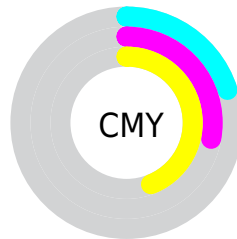


Cyan (0%)

Magenta (10%)

Yellow (30%)

Black (20%)



Cyan (20%)

Magenta (28%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1015, 0.3641, 0.3804 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 49.1015, 0.3641, 0.3804 by changing the saturation by 10% instead.





 49.1015, 0.3641,  
0.3804


 49.1015, 0.3641,  
0.3804


383.1418, 0.3388,  
0.3552

 34.7000, 0.3703,  
0.3865


 88.8422, 0.3550,  
0.3714

 23.4319, 0.3780,  
0.3942


 114.9502, 0.3516,  
0.3679

 14.9127, 0.3881,  
0.4041


145.7291, 0.3486,  
0.3650

 8.7582, 0.4016,  
0.4174

181.5634, 0.3461,  
0.3625

 4.5838, 0.4204,  
0.4356

222.8374, 0.3439,  
0.3603

 2.0052, 0.4654,  
0.4798

269.9355, 0.3420,

 0.6105, 0.4968,

0.3584

0.5032

323.2422, 0.3403,  
0.3567

0.0000, 0.0000,  
0.0000

49.1015, 0.3641,  
0.3804

49.1015, 0.3641,  
0.3804

45.8298, 0.3840,  
0.3979

52.6212, 0.3454,  
0.3627

42.7915, 0.4048,  
0.4144

56.3897, 0.3282,  
0.3454

39.9804, 0.4257,  
0.4288

60.4160, 0.3126,  
0.3289

37.3871, 0.4457,  
0.4402

64.7069, 0.2985,  
0.3133

35.0013, 0.4640,  
0.4473

69.2687, 0.2860,  
0.2988

■ 32.8111, 0.4795,  
0.4496

■ 73.4208, 0.2806,  
0.2959

■ 30.7957, 0.4922,  
0.4474

■ 77.0853, 0.2811,  
0.3032

■ 30.7778, 0.4923,  
0.4473

■ 80.8926, 0.2815,  
0.3104

■ 84.8442, 0.2820,  
0.3175

# Harmonies

## Analogous

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



49.1015, 0.3767, 0.3609



49.1015, 0.3641, 0.3804



49.1015, 0.3378, 0.3867

# Triad

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



49.1015, 0.3641, 0.3804



49.1015, 0.2574, 0.3185



49.1015, 0.3173, 0.2881

# Complementary

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



49.1015, 0.3641, 0.3804



36.3797, 0.2636, 0.2715

# 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.



49.1015, 0.2858, 0.2770



49.1015, 0.3641, 0.3804



49.1015, 0.2525, 0.2927

# Square

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



49.1015, 0.3641, 0.3804



49.1015, 0.2764, 0.3496



49.1015, 0.2626, 0.2782



49.1015, 0.3491, 0.3088



# Rectangle

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



49.1015, 0.3641, 0.3804



49.1015, 0.3164, 0.3811



49.1015, 0.2626, 0.2782



49.1015, 0.3063, 0.2832

# Sweetspot

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



49.1037, 0.3641, 0.3804



93.9063, 0.3269, 0.3441



35.1318, 0.3569, 0.3031



19.8962, 0.3293, 0.3466



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.



49.1037, 0.3641, 0.3804



77.7250, 0.3771, 0.3919



56.6109, 0.3490, 0.4052



12.4532, 0.3274, 0.3445



19.5495, 0.4910, 0.4484



1.1433, 0.4736, 0.4621



# Inverse Universe

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



36.3797, 0.2636, 0.2715



53.2864, 0.2519, 0.2565



30.7860, 0.2690, 0.2444



11.4342, 0.2983, 0.3130



5.4094, 0.1633, 0.1078



0.4175, 0.1745, 0.1481



# Previews

## White Background



This preview shows how the Yxy color 49.1015, 0.3641, 0.3804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

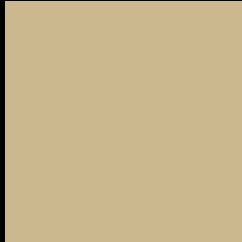
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.1015, 0.3641, 0.3804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

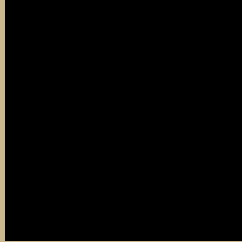
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.1015, 0.3641, 0.3804**

## Background



This preview shows how black text looks on a background with the Yxy color 49.1015, 0.3641, 0.3804.



This preview shows how white text looks on a background with the Yxy color 49.1015, 0.3641, 0.3804.

# 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

49.1015, 0.3641, 0.3804

### Protanopia

49.2735, 0.3580, 0.3823

### Deuteranopia

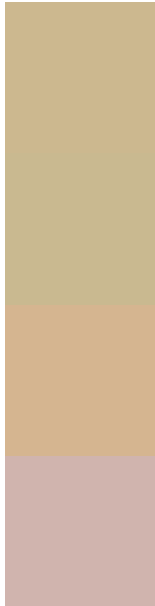
49.1592, 0.3780, 0.3711



## Tritanopia

48.9075, 0.3301, 0.3123

# Trichromacy



## Original Color

49.1015, 0.3641, 0.3804

## Protanomaly

49.1290, 0.3602, 0.3808

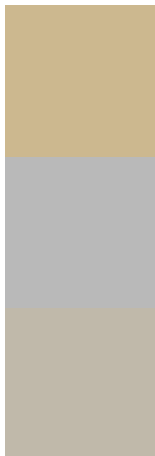
## Deuteranomaly

49.2075, 0.3726, 0.3742

## Tritanomaly

49.1084, 0.3424, 0.3364

# Monochromacy



## Original Color

49.1015, 0.3641, 0.3804

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.8067, 0.3306, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.1015, 0.3641, 0.3804 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(204, 184, 143)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 143)  
}
```

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(204, 184, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 49.1015, 0.3641, 0.3804 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(204, 184, 143) }
```

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

```
.border{ border-color:rgb(204, 184, 143) }
```

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

Here you see how a box with a 4 pixel rgb(204, 184, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 143);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.1015, 0.3641, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 143) }
```

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

```
.background{ background-color: rgb(204,  
184, 143) }
```

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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