

# Converting Colors

$Yxy(47.8048, 0.3638, 0.4198)$

Have a look what the booklet for  
Yxy(47.8048, 0.3638, 0.4198)  
contains.

<b>Yxy(47.6126, 0.3644, 0.4199)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(47.6126, 0.3644, 0.4199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9BC77
RGB	185, 188, 119
RGB Percent	73%, 74%, 47%
CMY	0.2745, 0.2627, 0.5334
CMYK	0.02, 0.00, 0.37, 0.26
HSL	63°, 34%, 60%
HSV	63°, 37%, 74%
XYZ	41.3194, 47.6126, 24.4583
YIQ	179.2370, 20.3610, -22.0950

# Conversions

## Conversions Part 2

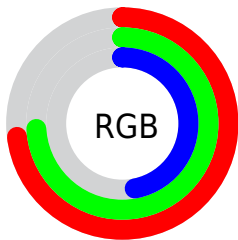
Format	Color
<b>RYB</b>	119, 188, 122
Decimal	12172407
CIELab	74.58, -11.66, 34.60
CIELCh	75, 36.508, 108.627
Yxy	47.6126, 0.3644, 0.4199
Android (android.graphics.Color)	4290362487 (0xFFB9BC77)
YUV	179.2370, -29.6968, 5.0542
Hunter-Lab	69.0019, -13.8646, 27.2855

# Details

The Yxy color  $47.6126, 0.3644, 0.4199$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $20.9567, 0.2494, 0.2205$ , and the grayscale version is  $45.3657, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.5572, 0.3559, 0.4032$ , and  $22.5829, 0.3770, 0.4457$  is the 20% darker color. If you saturate the color by 10%, you get  $47.1053, 0.3773, 0.4432$ , and if you desaturate by 10%, it is  $48.2141, 0.3505, 0.3952$ .

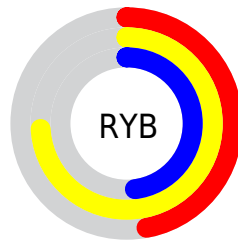
# Distribution



Red (73%)

Green (74%)

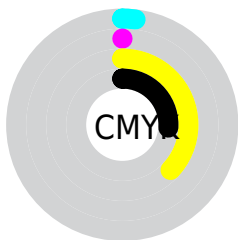
Blue (47%)



Red (47%)

Yellow (74%)

Blue (48%)

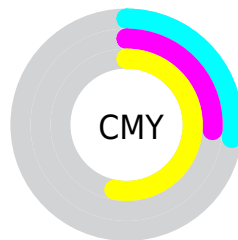


Cyan (2%)

Magenta (0%)

Yellow (37%)

Black (26%)



Cyan (27%)

Magenta (26%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6126, 0.3644, 0.4199 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 47.6126, 0.3644, 0.4199 by changing the saturation by 10% instead.




 47.6126, 0.3644,  
0.4199


 47.6126, 0.3644,  
0.4199


377.2545, 0.3398,  
0.3741

 33.5202, 0.3699,  
0.4312


 86.6273, 0.3559,  
0.4033

 22.5252, 0.3766,  
0.4455


 112.3184, 0.3525,  
0.3970

 14.2434, 0.3847,  
0.4642


 142.6446, 0.3497,  
0.3917

 8.2901, 0.3941,  
0.4890

177.9901, 0.3472,  
0.3872

 4.2811, 0.4067,  
0.5263

218.7395, 0.3450,  
0.3833

 1.8320, 0.4186,  
0.5814

265.2771, 0.3431,

 0.5070, 0.2801,

0.3798

0.7199

317.9873, 0.3414,  
0.3768

0.0000, 0.0000,  
0.0000

47.6126, 0.3644,  
0.4199

47.6126, 0.3644,  
0.4199

47.1053, 0.3773,  
0.4432

48.2141, 0.3505,  
0.3952

46.6806, 0.3887,  
0.4641

48.9082, 0.3363,  
0.3701

46.3346, 0.3981,  
0.4817

49.7017, 0.3220,  
0.3452


46.0608, 0.4050,  
0.4953

50.5987, 0.3082,  
0.3213


45.8515, 0.4094,  
0.5047

51.6032, 0.2951,  
0.2986


 45.6963, 0.4113,  
0.5099

 52.7190, 0.2828,  
0.2775

 45.6504, 0.4117,  
0.5113

 53.9496, 0.2715,  
0.2581

 54.3370, 0.2694,  
0.2538

 54.4439, 0.2699,  
0.2540

# Harmonies

## Analogous

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



47.6126, 0.4012, 0.3996



47.6126, 0.3644, 0.4199



47.6126, 0.3155, 0.4128

# Triad

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



47.6126, 0.3644, 0.4199



47.6126, 0.2209, 0.2814



47.6126, 0.3550, 0.2871

# Complementary

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



47.6126, 0.3644, 0.4199



20.9567, 0.2494, 0.2205

# 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.



47.6126, 0.3033, 0.2604



47.6126, 0.3644, 0.4199



47.6126, 0.2292, 0.2550

# Square

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



47.6126, 0.3644, 0.4199



47.6126, 0.2343, 0.3256



47.6126, 0.2581, 0.2486



47.6126, 0.3970, 0.3237



# Rectangle

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



47.6126, 0.3644, 0.4199



47.6126, 0.2828, 0.3911



47.6126, 0.2581, 0.2486



47.6126, 0.3380, 0.2768

# Sweetspot

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



47.6148, 0.3644, 0.4199



89.4056, 0.3284, 0.3562



25.7668, 0.3993, 0.3325



19.1845, 0.3303, 0.3596



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.



47.6148, 0.3644, 0.4199



85.5368, 0.3748, 0.4387



43.8982, 0.3340, 0.4298



11.0988, 0.3258, 0.3517



31.0876, 0.4118, 0.5112



1.2243, 0.4137, 0.5097



# Inverse Universe

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



20.9567, 0.2494, 0.2205



30.2280, 0.2328, 0.1927



23.8675, 0.2825, 0.2298



9.2447, 0.2990, 0.3053



2.5165, 0.1516, 0.0609



0.1054, 0.1578, 0.0643



# Previews

## White Background



This preview shows how the Yxy color 47.6126, 0.3644, 0.4199 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 47.6126, 0.3644, 0.4199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

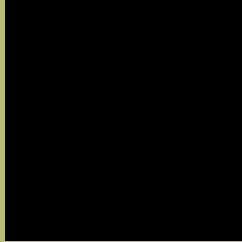
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.6126, 0.3644, 0.4199**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.6126, 0.3644, 0.4199.



This preview shows how white text looks on a background with the Yxy color 47.6126, 0.3644, 0.4199.

# 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

47.6126, 0.3644, 0.4199

### Protanopia

47.4307, 0.3821, 0.4122

### Deuteranopia

47.2807, 0.4009, 0.3920



## Tritanopia

47.5598, 0.3144, 0.3115

# Trichromacy



## Original Color

47.6126, 0.3644, 0.4199

## Protanomaly

47.6080, 0.3757, 0.4147

## Deuteranomaly

47.2884, 0.3869, 0.4021

## Tritanomaly

47.2854, 0.3335, 0.3497

# Monochromacy



## Original Color

47.6126, 0.3644, 0.4199

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.7140, 0.3320, 0.3625

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.6126, 0.3644, 0.4199 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(185, 188, 119)` looks like.

```
.text, #text, p{  
    color:rgb(185, 188, 119)  
}
```

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(185, 188, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 188, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6126, 0.3644, 0.4199 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(185, 188, 119) }
```

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

```
.border{ border-color:rgb(185, 188, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 188, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 188, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 188, 119); box-shadow:4px 4px 4px 4px rgb(185, 188, 119) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6126, 0.3644, 0.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 188, 119) }
```

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

```
.background{ background-color: rgb(185,  
188, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor