

# Converting Colors

$Yxy(47.9868, 0.3578, 0.4136)$

Have a look what the booklet for  
Yxy(47.9868, 0.3578, 0.4136)  
contains.

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# Color

**Yxy(47.9431, 0.3576, 0.4139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7BD7D
RGB	183, 189, 125
RGB Percent	72%, 74%, 49%
CMY	0.2825, 0.2588, 0.5099
CMYK	0.03, 0.00, 0.34, 0.26
HSL	66°, 33%, 62%
HSV	66°, 34%, 74%
XYZ	41.4217, 47.9431, 26.4677
YIQ	179.9100, 16.9680, -21.1760

# Conversions

## Conversions Part 2

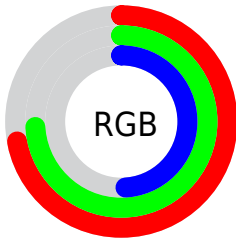
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 189, 131
Decimal	12041597
CIELab	74.79, -12.25, 31.71
CIElCh	75, 33.997, 111.120
Yxy	47.9431, 0.3576, 0.4139
Android (android.graphics.Color)	4290231677 (0xFFB7BD7D)
YUV	179.9100, -27.0706, 2.7099
Hunter-Lab	69.2410, -14.3884, 25.8047

# Details

The Yxy color **47.9431, 0.3576, 0.4139** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.1663, 0.2580, 0.2309**, and the grayscale version is **45.7304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0444, 0.3506, 0.3983**, and **22.7834, 0.3681, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **47.2900, 0.3699, 0.4384**, and if you desaturate by 10%, it is **48.6952, 0.3445, 0.3885**.

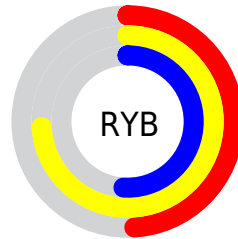
# Distribution



Red (72%)

Green (74%)

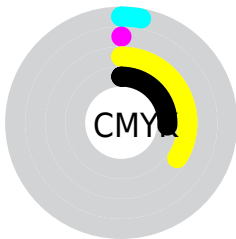
Blue (49%)



Red (49%)

Yellow (74%)

Blue (51%)

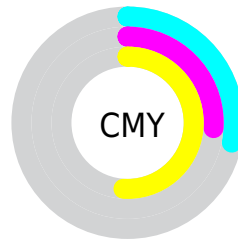


Cyan (3%)

Magenta (0%)

Yellow (34%)

Black (26%)



Cyan (28%)

Magenta (26%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9431, 0.3576, 0.4139 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 47.9431, 0.3576, 0.4139 by changing the saturation by 10% instead.




 47.9431, 0.3576,  
0.4139


 47.9431, 0.3576,  
0.4139


378.5665, 0.3362,  
0.3710

 33.7818, 0.3624,  
0.4246


 87.1197, 0.3502,  
0.3983

 22.7260, 0.3683,  
0.4382

 112.9038, 0.3473,  
0.3924

 14.3914, 0.3755,  
0.4561


 143.3309, 0.3448,  
0.3875

 8.3934, 0.3840,  
0.4803

178.7856, 0.3426,  
0.3832

 4.3477, 0.3940,  
0.5148

219.6520, 0.3407,  
0.3795

 1.8699, 0.4155,  
0.5845

266.3148, 0.3391,

 0.5302, 0.2787,

0.3763

0.7213

319.1581, 0.3376,  
0.3735

0.0000, 0.0000,  
0.0000

47.9431, 0.3576,  
0.4139

47.9431, 0.3576,  
0.4139

47.2900, 0.3699,  
0.4384

48.6952, 0.3445,  
0.3885

46.7241, 0.3809,  
0.4609

49.5448, 0.3311,  
0.3631

46.2420, 0.3900,  
0.4805


50.4983, 0.3178,  
0.3383


45.8371, 0.3967,  
0.4964


51.5600, 0.3049,  
0.3147


45.5019, 0.4009,  
0.5081

52.7340, 0.2927,  
0.2926


 45.2276, 0.4026,  
0.5153

 54.0239, 0.2813,  
0.2721

 45.0787, 0.4028,  
0.5183

 55.2846, 0.2721,  
0.2556

 55.5244, 0.2734,  
0.2558

 55.7670, 0.2746,  
0.2560

# Harmonies

## Analogous

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



47.9431, 0.3931, 0.3973



47.9431, 0.3576, 0.4139



47.9431, 0.3117, 0.4046

# Triad

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



47.9431, 0.3576, 0.4139



47.9431, 0.2267, 0.2822



47.9431, 0.3559, 0.2925

# Complementary

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



47.9431, 0.3576, 0.4139



23.1663, 0.2580, 0.2309

# 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.



47.9431, 0.3081, 0.2664



47.9431, 0.3576, 0.4139



47.9431, 0.2362, 0.2588

# Square

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



47.9431, 0.3576, 0.4139



47.9431, 0.2377, 0.3223



47.9431, 0.2649, 0.2540



47.9431, 0.3933, 0.3275



# Rectangle

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



47.9431, 0.3576, 0.4139



47.9431, 0.2816, 0.3832



47.9431, 0.2649, 0.2540



47.9431, 0.3403, 0.2825

# Sweetspot

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



47.9453, 0.3576, 0.4139



89.3321, 0.3261, 0.3538



28.3521, 0.3885, 0.3367



19.1600, 0.3280, 0.3573



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.



47.9453, 0.3576, 0.4139



84.9286, 0.3673, 0.4331



44.5247, 0.3298, 0.4222



11.0735, 0.3250, 0.3518



30.3434, 0.4031, 0.5182



1.2020, 0.4072, 0.5149



# Inverse Universe

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



23.1663, 0.2580, 0.2309



33.5187, 0.2428, 0.2045



26.0552, 0.2887, 0.2389



9.2673, 0.2998, 0.3054



2.5730, 0.1536, 0.0620



0.1155, 0.1666, 0.0691



# Previews

## White Background



This preview shows how the Yxy color 47.9431, 0.3576, 0.4139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

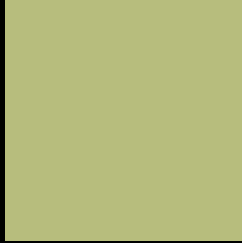
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.9431, 0.3576, 0.4139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

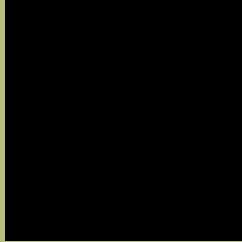
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.9431, 0.3576, 0.4139**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.9431, 0.3576, 0.4139.



This preview shows how white text looks on a background with the Yxy color 47.9431, 0.3576, 0.4139.

# 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

47.9431, 0.3576, 0.4139

### Protanopia

47.8532, 0.3759, 0.4063

### Deuteranopia

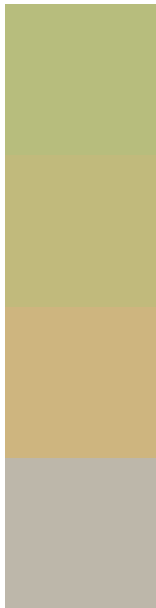
47.6692, 0.3942, 0.3864



## Tritanopia

47.7891, 0.3110, 0.3103

# Trichromacy



**Original Color**

47.9431, 0.3576, 0.4139

**Protanomaly**

47.9105, 0.3687, 0.4090

**Deuteranomaly**

47.7019, 0.3805, 0.3963

**Tritanomaly**

47.5881, 0.3283, 0.3458

# Monochromacy



**Original Color**

47.9431, 0.3576, 0.4139

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

46.2288, 0.3294, 0.3597

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9431, 0.3576, 0.4139 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(183, 189, 125)` looks like.

```
.text, #text, p{  
    color:rgb(183, 189, 125)  
}
```

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(183, 189, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 189, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9431, 0.3576, 0.4139 is called "border". The border property can be set on classes, ids or directly on the HTML element.

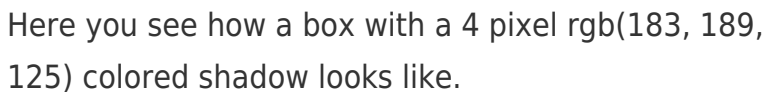
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 189, 125) }
```

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

```
.border{ border-color:rgb(183, 189, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 189, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 189, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 189, 125); box-shadow:4px 4px 4px 4px rgb(183, 189, 125) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9431, 0.3576, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 189, 125) }
```

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

```
.background{ background-color: rgb(183,  
189, 125) }
```

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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