

# Converting Colors

$Y_{xy}(47.7752, 0.3839, 0.4169)$

Have a look what the booklet for  
Yxy(47.7752, 0.3839, 0.4169)  
contains.

<b>Yxy(47.7752, 0.3839, 0.4169)</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(47.7752, 0.3839, 0.4169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8B872
RGB	200, 184, 114
RGB Percent	78%, 72%, 45%
CMY	0.2158, 0.2784, 0.5529
CMYK	0.00, 0.08, 0.43, 0.22
HSL	49°, 44%, 62%
HSV	49°, 43%, 78%
XYZ	43.9935, 47.7752, 22.8276
YIQ	180.8040, 32.0060, -18.3780

# Conversions

## Conversions Part 2

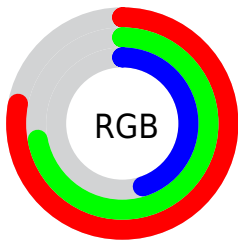
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 200, 114
Decimal	13154418
CIE Lab	74.68, -4.10, 37.54
CIE LCh	75, 37.761, 96.240
Yxy	47.7752, 0.3839, 0.4169
Android (android.graphics.Color)	4291344498 (0xFFC8B872)
YUV	180.8040, -32.9344, 16.8349
Hunter-Lab	69.1196, -7.3469, 28.8025

# Details

The Yxy color **47.7752, 0.3839, 0.4169** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.7092, 0.2370, 0.2217**, and the grayscale version is **46.2659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3702, 0.3695, 0.4021**, and **22.5321, 0.4013, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **45.8474, 0.4010, 0.4355**, and if you desaturate by 10%, it is **49.8475, 0.3664, 0.3967**.

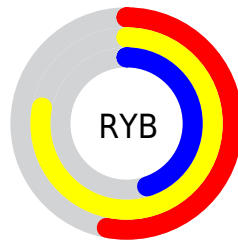
# Distribution



Red (78%)

Green (72%)

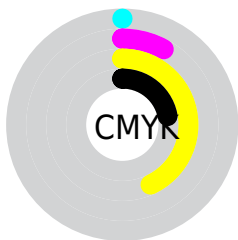
Blue (45%)



Red (53%)

Yellow (78%)

Blue (45%)

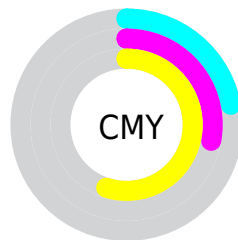


Cyan (0%)

Magenta (8%)

Yellow (43%)

Black (22%)



Cyan (22%)

Magenta (28%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7752, 0.3839, 0.4169 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 47.7752, 0.3839, 0.4169 by changing the saturation by 10% instead.





 47.7752, 0.3839,  
0.4169


 47.7752, 0.3839,  
0.4169


377.9004, 0.3496,  
0.3737


 33.6489, 0.3918,  
0.4272


 86.8696, 0.3719,  
0.4015


 22.6240, 0.4014,  
0.4399


 112.6065, 0.3672,  
0.3956

 14.3161, 0.4132,  
0.4559


 142.9824, 0.3632,  
0.3906

 8.3409, 0.4276,  
0.4762

 178.3816, 0.3597,  
0.3863

 4.3138, 0.4502,  
0.5085

219.1887, 0.3567,  
0.3825

 1.8506, 0.4637,  
0.5363

265.7879, 0.3540,

 0.5184, 0.4309,

0.3792

0.5691

318.5637, 0.3517,  
0.3763

0.0000, 0.0000,  
0.0000

47.7752, 0.3839,  
0.4169

47.7752, 0.3839,  
0.4169

45.8474, 0.4010,  
0.4355

49.8475, 0.3664,  
0.3967

44.0507, 0.4170,  
0.4514

52.0639, 0.3492,  
0.3759

42.3795, 0.4312,  
0.4638


54.4324, 0.3327,  
0.3551

40.8252, 0.4429,  
0.4719


56.9585, 0.3171,  
0.3349


39.3772, 0.4518,  
0.4753


59.6472, 0.3027,  
0.3156

 38.4115, 0.4567,  
0.4756

 62.5034, 0.2895,  
0.2976

 65.5316, 0.2776,  
0.2809

 67.4513, 0.2773,  
0.2841

 69.3498, 0.2776,  
0.2882

# Harmonies

## Analogous

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



47.7752, 0.4130, 0.3875



47.7752, 0.3839, 0.4169



47.7752, 0.3369, 0.4228

# Triad

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



47.7752, 0.3839, 0.4169



47.7752, 0.2211, 0.2967



47.7752, 0.3345, 0.2729

# Complementary

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



47.7752, 0.3839, 0.4169



23.7092, 0.2370, 0.2217

# 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.



47.7752, 0.2821, 0.2513



47.7752, 0.3839, 0.4169



47.7752, 0.2205, 0.2614

# Square

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



47.7752, 0.3839, 0.4169



47.7752, 0.2439, 0.3474



47.7752, 0.2417, 0.2465



47.7752, 0.3843, 0.3071



# Rectangle

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



47.7752, 0.3839, 0.4169



47.7752, 0.3023, 0.4088



47.7752, 0.2417, 0.2465



47.7752, 0.3164, 0.2641

# Sweetspot

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



47.7774, 0.3839, 0.4169



94.1800, 0.3330, 0.3555



25.9597, 0.4009, 0.3066



19.9571, 0.3367, 0.3601



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.



47.7774, 0.3839, 0.4169



79.4752, 0.4006, 0.4351



51.5340, 0.3538, 0.4427



12.0691, 0.3270, 0.3477



24.5518, 0.4560, 0.4761



1.2518, 0.4471, 0.4832



# Inverse Universe

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



23.7092, 0.2370, 0.2217



32.2634, 0.2180, 0.1923



21.7668, 0.2559, 0.2046



10.6009, 0.2983, 0.3096



3.5960, 0.1552, 0.0786



0.2695, 0.1654, 0.1156



# Previews

## White Background



This preview shows how the Yxy color 47.7752, 0.3839, 0.4169 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 47.7752, 0.3839, 0.4169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

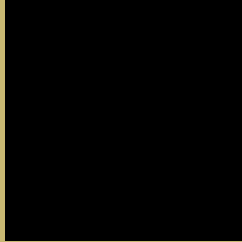
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.7752, 0.3839, 0.4169**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.7752, 0.3839, 0.4169.



This preview shows how white text looks on a background with the Yxy color 47.7752, 0.3839, 0.4169.

# 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

47.7752, 0.3839, 0.4169

### Protanopia

47.9134, 0.3849, 0.4166

### Deuteranopia

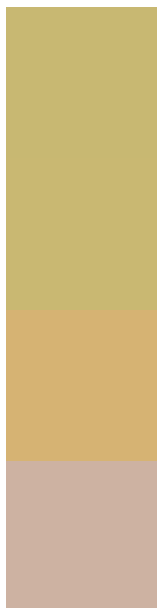
47.8412, 0.4073, 0.3992



## Tritanopia

47.7440, 0.3303, 0.3121

# Trichromacy



## Original Color

47.7752, 0.3839, 0.4169

## Protanomaly

47.9134, 0.3849, 0.4166

## Deuteranomaly

47.7741, 0.3989, 0.4059

## Tritanomaly

47.4286, 0.3505, 0.3491

# Monochromacy



## Original Color

47.7752, 0.3839, 0.4169

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.5816, 0.3383, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7752, 0.3839, 0.4169 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, 184, 114)` looks like.

```
.text, #text, p{  
    color:rgb(200, 184, 114)  
}
```

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, 184, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 184, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7752, 0.3839, 0.4169 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, 184, 114) }
```

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

```
.border{ border-color:rgb(200, 184, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 184, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 184, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 184, 114);  
box-shadow:4px 4px 4px 4px rgb(200, 184,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7752, 0.3839, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 184, 114) }
```

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

```
.background{ background-color: rgb(200,  
184, 114) }
```

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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