

# Converting Colors

$Y_{xy}(47.6425, 0.3516, 0.3650)$

Have a look what the booklet for  
Yxy(47.6425, 0.3516, 0.3650)  
contains.

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# Color

**Yxy(47.4898, 0.3520, 0.3647)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7B599
RGB	199, 181, 153
RGB Percent	78%, 71%, 60%
CMY	0.2194, 0.2902, 0.4000
CMYK	0.00, 0.09, 0.23, 0.22
HSL	36°, 29%, 69%
HSV	36°, 23%, 78%
XYZ	45.8361, 47.4898, 36.8902
YIQ	183.1900, 19.7160, -4.8920

# Conversions

## Conversions Part 2

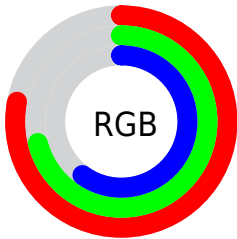
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 199, 153
Decimal	13088153
CIELab	74.50, 2.00, 16.61
CIELCh	75, 16.731, 83.129
Yxy	47.4898, 0.3520, 0.3647
Android (android.graphics.Color)	4291278233 (0xFFC7B599)
YUV	183.1900, -14.8837, 13.8654
Hunter-Lab	68.9128, -1.8716, 16.5000

# Details

The Yxy color  $47.4898, 0.3520, 0.3647$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $40.0483, 0.2758, 0.2905$ , and the grayscale version is  $47.5427, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.3334, 0.3443, 0.3590$ , and  $22.4174, 0.3635, 0.3739$  is the 20% darker color. If you saturate the color by 10%, you get  $43.8020, 0.3720, 0.3808$ , and if you desaturate by 10%, it is  $51.4695, 0.3338, 0.3488$ .

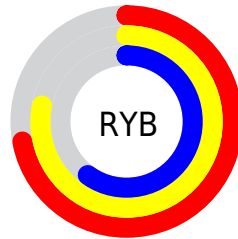
# Distribution



Red (78%)

Green (71%)

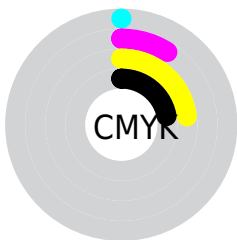
Blue (60%)



Red (72%)

Yellow (78%)

Blue (60%)

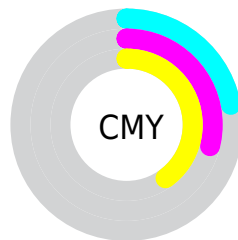


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (22%)



Cyan (22%)

Magenta (29%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4898, 0.3520, 0.3647 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 47.4898, 0.3520, 0.3647 by changing the saturation by 10% instead.



 47.4898, 0.3520,  
0.3647


 47.4898, 0.3520,  
0.3647


376.7662, 0.3324,  
0.3470

 33.4230, 0.3569,  
0.3690


 86.4443, 0.3449,  
0.3583

 22.4507, 0.3631,  
0.3745


 112.1008, 0.3422,  
0.3559

 14.1884, 0.3712,  
0.3817


142.3893, 0.3400,  
0.3539

 8.2519, 0.3825,  
0.3916

177.6943, 0.3380,  
0.3521

 4.2565, 0.3989,  
0.4056

218.4000, 0.3363,  
0.3506

 1.8181, 0.4292,  
0.4315

264.8910, 0.3349,

 0.4984, 0.5118,

0.3493

0.4882

317.5516, 0.3336,  
0.3481

0.0000, 0.0000,  
0.0000

47.4898, 0.3520,  
0.3647

47.4898, 0.3520,  
0.3647

43.8020, 0.3720,  
0.3808

51.4695, 0.3338,  
0.3488

40.3914, 0.3936,  
0.3966

55.7425, 0.3175,  
0.3336

37.2512, 0.4163,  
0.4112

60.3185, 0.3029,  
0.3192

34.3720, 0.4393,  
0.4236

65.2047, 0.2900,  
0.3059

31.7432, 0.4617,  
0.4325

70.4079, 0.2786,  
0.2936

■ 29.3534, 0.4821,  
0.4369

■ 74.7605, 0.2778,  
0.2997

■ 27.1892, 0.4996,  
0.4361

■ 79.1488, 0.2785,  
0.3082

■ 25.8185, 0.5101,  
0.4332

■ 83.7336, 0.2791,  
0.3167

■ 88.5171, 0.2797,  
0.3250

# Harmonies

## Analogous

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



47.4898, 0.3589, 0.3499



47.4898, 0.3520, 0.3647



47.4898, 0.3344, 0.3703

# Triad

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



47.4898, 0.3520, 0.3647



47.4898, 0.2740, 0.3252



47.4898, 0.3126, 0.2972

# Complementary

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



47.4898, 0.3520, 0.3647



40.0483, 0.2758, 0.2905

# 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.



47.4898, 0.2902, 0.2904



47.4898, 0.3520, 0.3647



47.4898, 0.2686, 0.3056

# Square

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



47.4898, 0.3520, 0.3647



47.4898, 0.2895, 0.3470



47.4898, 0.2744, 0.2932



47.4898, 0.3357, 0.3117



# Rectangle

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



47.4898, 0.3520, 0.3647



47.4898, 0.3194, 0.3674



47.4898, 0.2744, 0.2932



47.4898, 0.3047, 0.2940

# Sweetspot

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



47.4919, 0.3520, 0.3647



94.5176, 0.3237, 0.3395



37.8896, 0.3414, 0.3054



20.1321, 0.3247, 0.3405



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.



47.4919, 0.3520, 0.3647



79.6407, 0.3623, 0.3732



54.6956, 0.3434, 0.3869



11.6916, 0.3275, 0.3430



16.7682, 0.5085, 0.4345



0.9321, 0.4852, 0.4530



# Inverse Universe

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



40.0483, 0.2758, 0.2905



64.2495, 0.2669, 0.2803



34.1403, 0.2778, 0.2654



10.9585, 0.2983, 0.3146



6.3190, 0.1682, 0.1256

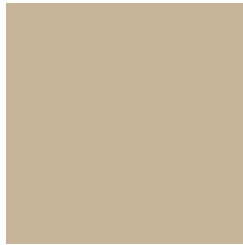


0.4397, 0.1800, 0.1681



# Previews

## White Background



This preview shows how the Yxy color 47.4898, 0.3520, 0.3647 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 47.4898, 0.3520, 0.3647 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

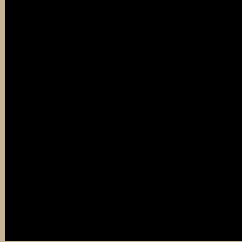
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

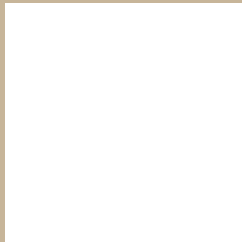
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.4898, 0.3520, 0.3647**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.4898, 0.3520, 0.3647.



This preview shows how white text looks on a background with the Yxy color 47.4898, 0.3520, 0.3647.

# 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

47.4898, 0.3520, 0.3647

### Protanopia

47.5375, 0.3451, 0.3666

### Deuteranopia

47.2326, 0.3637, 0.3562



## Tritanopia

47.6057, 0.3258, 0.3119

# Trichromacy



**Original Color**

47.4898, 0.3520, 0.3647

**Protanomaly**

47.3911, 0.3472, 0.3651

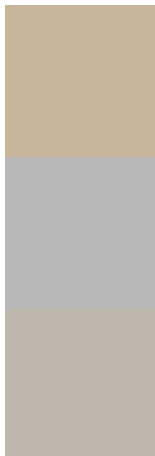
**Deuteranomaly**

47.4393, 0.3593, 0.3590

**Tritanomaly**

47.5717, 0.3348, 0.3303

# Monochromacy



**Original Color**

47.4898, 0.3520, 0.3647

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

47.2533, 0.3268, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4898, 0.3520, 0.3647 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(199, 181, 153)` looks like.

```
.text, #text, p{  
    color:rgb(199, 181, 153)  
}
```

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(199, 181, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 181, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4898, 0.3520, 0.3647 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(199, 181, 153) }
```

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

```
.border{ border-color:rgb(199, 181, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 181, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 181, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 181, 153);  
box-shadow:4px 4px 4px 4px rgb(199, 181,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4898, 0.3520, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 181, 153) }
```

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

```
.background{ background-color: rgb(199,  
181, 153) }
```

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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