

# Converting Colors

$Yxy(48.8456, 0.3463, 0.3615)$

Have a look what the booklet for  
Yxy(48.8456, 0.3463, 0.3615)  
contains.

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# Color

**Yxy(48.8917, 0.3470, 0.3620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7B89E
RGB	199, 184, 158
RGB Percent	78%, 72%, 62%
CMY	0.2196, 0.2784, 0.3805
CMYK	0.00, 0.08, 0.21, 0.22
HSL	38°, 27%, 70%
HSV	38°, 21%, 78%
XYZ	46.8658, 48.8917, 39.3024
YIQ	185.5210, 17.2860, -4.9060

# Conversions

## Conversions Part 2

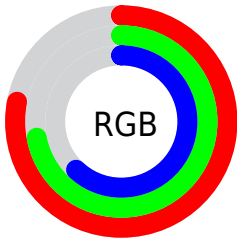
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 199, 158
Decimal	13088926
CIE <sub>Lab</sub>	75.38, 1.11, 15.16
CIE <sub>LCh</sub>	75, 15.197, 85.793
Yxy	48.8917, 0.3470, 0.3620
Android (android.graphics.Color)	4291279006 (0xFFC7B89E)
YUV	185.5210, -13.5679, 11.8211
Hunter-Lab	69.9226, -2.7245, 15.6198

# Details

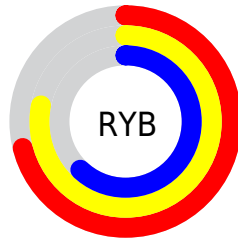
The Yxy color **48.8917, 0.3470, 0.3620** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.2717, 0.2799, 0.2936**, and the grayscale version is **48.8920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3843, 0.3399, 0.3559**, and **23.3139, 0.3564, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **45.3164, 0.3662, 0.3788**, and if you desaturate by 10%, it is **52.7380, 0.3295, 0.3456**.

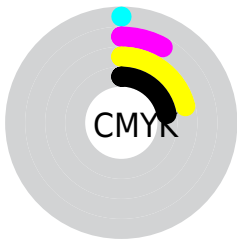
# Distribution



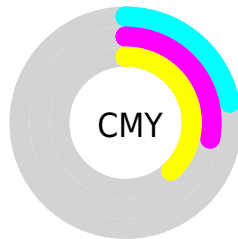
- Red (78%)
- Green (72%)
- Blue (62%)



- Red (71%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (8%)
- Yellow (21%)
- Black (22%)




- Cyan (22%)
- Magenta (28%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8917, 0.3470, 0.3620 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 48.8917, 0.3470, 0.3620 by changing the saturation by 10% instead.





 48.8917, 0.3470,  
0.3620


 48.8917, 0.3470,  
0.3620


382.3158, 0.3300,  
0.3457

 34.5336, 0.3512,  
0.3660


 88.5306, 0.3409,  
0.3561

 23.3038, 0.3565,  
0.3711

 114.5801, 0.3385,  
0.3539

 14.8180, 0.3636,  
0.3777


145.2956, 0.3366,  
0.3520

 8.6918, 0.3733,  
0.3868

181.0614, 0.3349,  
0.3504

 4.5407, 0.3873,  
0.3999

222.2620, 0.3334,  
0.3490

 1.9804, 0.4101,  
0.4210

269.2816, 0.3321,

 0.5960, 0.4990,

0.3478

0.5010

322.5048, 0.3310,  
0.3467

0.0000, 0.0000,  
0.0000

48.8917, 0.3470,  
0.3620

48.8917, 0.3470,  
0.3620

45.3164, 0.3662,  
0.3788

52.7380, 0.3295,  
0.3456

41.9979, 0.3869,  
0.3953

56.8559, 0.3136,  
0.3299

38.9302, 0.4087,  
0.4109

61.2545, 0.2995,  
0.3152

36.1046, 0.4308,  
0.4244

65.9404, 0.2870,  
0.3015

33.5114, 0.4523,  
0.4348

70.7592, 0.2772,  
0.2915

■ 31.1402, 0.4721,  
0.4410

■ 74.6728, 0.2778,  
0.2995

■ 28.9788, 0.4892,  
0.4421

■ 78.7549, 0.2784,  
0.3075

■ 27.1230, 0.5026,  
0.4391

■ 83.0076, 0.2790,  
0.3154

■ 87.4328, 0.2796,  
0.3231

# Harmonies

## Analogous

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



48.8917, 0.3542, 0.3494



48.8917, 0.3470, 0.3620



48.8917, 0.3306, 0.3660

# Triad

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



48.8917, 0.3470, 0.3620



48.8917, 0.2769, 0.3240



48.8917, 0.3146, 0.3012

# Complementary

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



48.8917, 0.3470, 0.3620



41.2717, 0.2799, 0.2936

# 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.



48.8917, 0.2941, 0.2944



48.8917, 0.3470, 0.3620



48.8917, 0.2729, 0.3067

# Square

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



48.8917, 0.3470, 0.3620



48.8917, 0.2903, 0.3435



48.8917, 0.2791, 0.2961



48.8917, 0.3351, 0.3148



# Rectangle

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



48.8917, 0.3470, 0.3620



48.8917, 0.3169, 0.3627



48.8917, 0.2791, 0.2961



48.8917, 0.3074, 0.2980

# Sweetspot

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



48.8939, 0.3470, 0.3620



95.5349, 0.3221, 0.3384



39.6068, 0.3389, 0.3098



20.3467, 0.3231, 0.3394



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

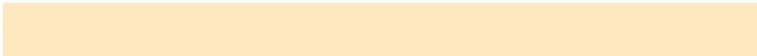


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.8939, 0.3470, 0.3620



82.5678, 0.3559, 0.3699



54.7292, 0.3389, 0.3806



11.7394, 0.3274, 0.3436



17.6099, 0.5012, 0.4403



0.9684, 0.4799, 0.4572



# Inverse Universe

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



41.2717, 0.2799, 0.2936



66.7092, 0.2719, 0.2843



36.4028, 0.2832, 0.2733



10.9121, 0.2983, 0.3139



5.8509, 0.1662, 0.1182

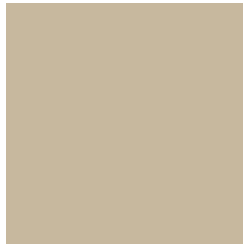


0.4149, 0.1781, 0.1611



# Previews

## White Background



This preview shows how the Yxy color 48.8917, 0.3470, 0.3620 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 48.8917, 0.3470, 0.3620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

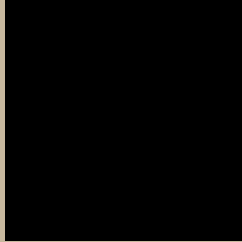
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.8917, 0.3470, 0.3620**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.8917, 0.3470, 0.3620.



This preview shows how white text looks on a background with the Yxy color 48.8917, 0.3470, 0.3620.

# 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

48.8917, 0.3470, 0.3620

### Protanopia

48.8032, 0.3423, 0.3623

### Deuteranopia

48.8895, 0.3602, 0.3535



## Tritanopia

48.7870, 0.3221, 0.3120

# Trichromacy



## Original Color

48.8917, 0.3470, 0.3620

## Protanomaly

48.9369, 0.3432, 0.3622

## Deuteranomaly

48.9608, 0.3550, 0.3562

## Tritanomaly

48.8996, 0.3318, 0.3303

# Monochromacy



## Original Color

48.8917, 0.3470, 0.3620

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.9089, 0.3249, 0.3405

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8917, 0.3470, 0.3620 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, 184, 158)` looks like.

```
.text, #text, p{  
    color:rgb(199, 184, 158)  
}
```

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, 184, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 184, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8917, 0.3470, 0.3620 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, 184, 158) }
```

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

```
.border{ border-color:rgb(199, 184, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 184, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 184, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 184, 158);  
box-shadow:4px 4px 4px 4px rgb(199, 184,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8917, 0.3470, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 184, 158) }
```

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

```
.background{ background-color: rgb(199,  
184, 158) }
```

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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