

# Converting Colors

$Yxy(48.1108, 0.3495, 0.3606)$

Have a look what the booklet for  
Yxy(48.1108, 0.3495, 0.3606)  
contains.

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# Color

**Yxy(48.1696, 0.3492, 0.3607)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8B69D
RGB	200, 182, 157
RGB Percent	78%, 71%, 62%
CMY	0.2157, 0.2863, 0.3843
CMYK	0.00, 0.09, 0.21, 0.22
HSL	35°, 28%, 70%
HSV	35°, 21%, 78%
XYZ	46.6338, 48.1696, 38.7413
YIQ	184.5320, 18.7530, -3.9590

# Conversions

## Conversions Part 2

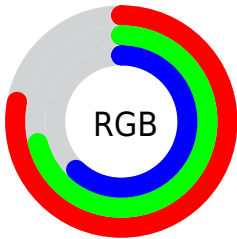
Format	Color
<b>RYB</b>	188, 200, 157
Decimal	13153949
CIELab	74.93, 2.41, 15.06
CIElCh	75, 15.250, 80.903
Yxy	48.1696, 0.3492, 0.3607
Android (android.graphics.Color)	4291344029 (0xFFC8B69D)
YUV	184.5320, -13.5733, 13.5654
Hunter-Lab	69.4043, -1.5207, 15.4875

# Details

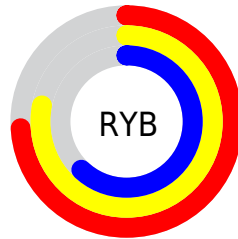
The Yxy color  $48.1696, 0.3492, 0.3607$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $42.0014, 0.2787, 0.2951$ , and the grayscale version is  $48.3127, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.1625, 0.3408, 0.3550$ , and  $22.8521, 0.3596, 0.3684$  is the 20% darker color. If you saturate the color by 10%, you get  $44.2160, 0.3693, 0.3762$ , and if you desaturate by 10%, it is  $52.4444, 0.3311, 0.3456$ .

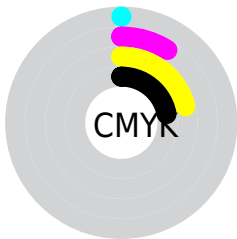
# Distribution



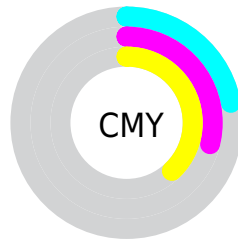
- Red (78%)
- Green (71%)
- Blue (62%)



- Red (74%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (9%)
- Yellow (21%)
- Black (22%)




- Cyan (22%)
- Magenta (29%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1696, 0.3492, 0.3607 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 48.1696, 0.3492, 0.3607 by changing the saturation by 10% instead.





 48.1696, 0.3492,  
0.3607

 48.1696, 0.3492,  
0.3607

379.4640, 0.3310,  
0.3451

 33.9612, 0.3537,  
0.3645


 87.4569, 0.3426,  
0.3551

 22.8638, 0.3595,  
0.3694

 113.3045, 0.3401,  
0.3529

 14.4930, 0.3671,  
0.3757


143.8008, 0.3380,  
0.3511

 8.4643, 0.3775,  
0.3844

179.3299, 0.3362,  
0.3496

 4.3935, 0.3928,  
0.3968

220.2765, 0.3347,  
0.3482

 1.8960, 0.4184,  
0.4172

267.0247, 0.3333,

 0.5460, 0.5142,

0.3471

0.4858

319.9591, 0.3321,  
0.3460

0.0000, 0.0000,  
0.0000

48.1696, 0.3492,  
0.3607

48.1696, 0.3492,  
0.3607

44.2160, 0.3693,  
0.3762

52.4444, 0.3311,  
0.3456

40.5681, 0.3911,  
0.3915

57.0425, 0.3150,  
0.3311

37.2186, 0.4144,  
0.4058

61.9740, 0.3007,  
0.3175

34.1573, 0.4385,  
0.4180

67.2469, 0.2881,  
0.3049

31.3730, 0.4622,  
0.4270

72.7385, 0.2781,  
0.2954

■ 28.8536, 0.4843,  
0.4317

■ 77.3467, 0.2788,  
0.3046

■ 26.5850, 0.5036,  
0.4311

■ 82.1794, 0.2794,  
0.3137

■ 24.8347, 0.5177,  
0.4272

■ 87.2399, 0.2801,  
0.3226

■ 91.0195, 0.2805,  
0.3289

# Harmonies

## Analogous

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



48.1696, 0.3546, 0.3469



48.1696, 0.3492, 0.3607



48.1696, 0.3339, 0.3664

# Triad

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



48.1696, 0.3492, 0.3607



48.1696, 0.2783, 0.3271



48.1696, 0.3110, 0.2993

# Complementary

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



48.1696, 0.3492, 0.3607



42.0014, 0.2787, 0.2951

# 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.



48.1696, 0.2910, 0.2938



48.1696, 0.3492, 0.3607



48.1696, 0.2726, 0.3090

# Square

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



48.1696, 0.3492, 0.3607



48.1696, 0.2930, 0.3467



48.1696, 0.2771, 0.2970



48.1696, 0.3322, 0.3121



# Rectangle

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



48.1696, 0.3492, 0.3607



48.1696, 0.3204, 0.3642



48.1696, 0.2771, 0.2970



48.1696, 0.3040, 0.2966

# Sweetspot

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



48.1718, 0.3492, 0.3607



95.0349, 0.3221, 0.3376



39.5167, 0.3375, 0.3054



20.2284, 0.3232, 0.3386



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.



48.1718, 0.3492, 0.3607



79.9940, 0.3587, 0.3682



55.6323, 0.3424, 0.3825



11.6441, 0.3275, 0.3424



15.9710, 0.5159, 0.4286



0.8971, 0.4906, 0.4487



# Inverse Universe

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



42.0014, 0.2787, 0.2951



67.3451, 0.2705, 0.2863



35.7478, 0.2793, 0.2702



11.0049, 0.2983, 0.3152



6.8242, 0.1704, 0.1334

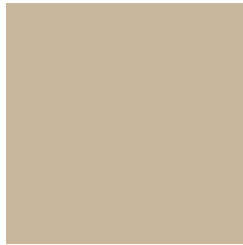


0.4656, 0.1820, 0.1751



# Previews

## White Background



This preview shows how the Yxy color 48.1696, 0.3492, 0.3607 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 48.1696, 0.3492, 0.3607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

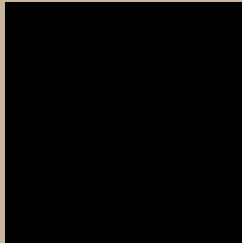
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.1696, 0.3492, 0.3607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.1696, 0.3492, 0.3607.



This preview shows how white text looks on a background with the Yxy color 48.1696, 0.3492, 0.3607.

# 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

48.1696, 0.3492, 0.3607

### Protanopia

48.2189, 0.3425, 0.3625

### Deuteranopia

48.3065, 0.3604, 0.3536



## Tritanopia

48.0432, 0.3249, 0.3120

# Trichromacy



## Original Color

48.1696, 0.3492, 0.3607

## Protanomaly

48.0714, 0.3445, 0.3610

## Deuteranomaly

48.1187, 0.3565, 0.3551

## Tritanomaly

48.1914, 0.3338, 0.3291

# Monochromacy



## Original Color

48.1696, 0.3492, 0.3607

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.3233, 0.3250, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1696, 0.3492, 0.3607 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, 182, 157)` looks like.

```
.text, #text, p{  
    color:rgb(200, 182, 157)  
}
```

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, 182, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 182, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1696, 0.3492, 0.3607 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, 182, 157) }
```

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

```
.border{ border-color:rgb(200, 182, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 182, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 182, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 182, 157);  
box-shadow:4px 4px 4px 4px rgb(200, 182,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1696, 0.3492, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 182, 157) }
```

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

```
.background{ background-color: rgb(200,  
182, 157) }
```

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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