

# Converting Colors

$Yxy(48.0201, 0.3253, 0.3687)$

Have a look what the booklet for  
Yxy(48.0201, 0.3253, 0.3687)  
contains.

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# Color

**Yxy(48.1285, 0.3250, 0.3692)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B0BD9F
RGB	176, 189, 159
RGB Percent	69%, 74%, 62%
CMY	0.3097, 0.2588, 0.3764
CMYK	0.07, 0.00, 0.16, 0.26
HSL	86°, 19%, 68%
HSV	86°, 16%, 74%
XYZ	42.3666, 48.1285, 39.8637
YIQ	181.6930, 1.8820, -12.0860

# Conversions

## Conversions Part 2

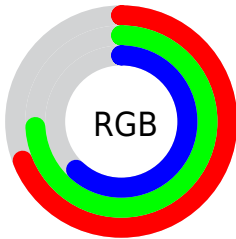
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 189, 172
Decimal	11582879
CIELab	74.91, -9.89, 13.66
CIELCh	75, 16.864, 125.918
Yxy	48.1285, 0.3250, 0.3692
Android (android.graphics.Color)	4289772959 (0xFFB0BD9F)
YUV	181.6930, -11.1876, -4.9928
Hunter-Lab	69.3747, -12.3971, 14.4934

# Details

The Yxy color **48.1285, 0.3250, 0.3692** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.2431, 0.2989, 0.2884**, and the grayscale version is **46.6688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3157, 0.3229, 0.3612**, and **22.9020, 0.3272, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **46.5995, 0.3326, 0.3968**, and if you desaturate by 10%, it is **49.8193, 0.3172, 0.3433**.

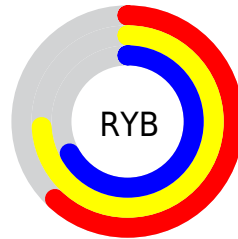
# Distribution



Red (69%)

Green (74%)

Blue (62%)



Red (62%)

Yellow (74%)

Blue (67%)

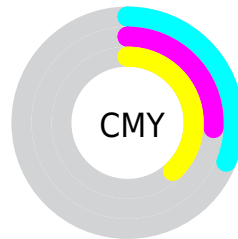


Cyan (7%)

Magenta (0%)

Yellow (16%)

Black (26%)



Cyan (31%)

Magenta (26%)

Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1285, 0.3250, 0.3692 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 48.1285, 0.3250, 0.3692 by changing the saturation by 10% instead.




 48.1285, 0.3250,  
0.3692


 48.1285, 0.3250,  
0.3692


379.3012, 0.3191,  
0.3488

 33.9287, 0.3264,  
0.3744


 87.3957, 0.3229,  
0.3617

 22.8388, 0.3281,  
0.3811


 113.2318, 0.3221,  
0.3590

 14.4745, 0.3304,  
0.3900


143.7155, 0.3214,  
0.3566

 8.4514, 0.3333,  
0.4027

179.2312, 0.3208,  
0.3546

 4.3851, 0.3372,  
0.4219

220.1632, 0.3203,  
0.3529

 1.8913, 0.3429,  
0.4547

266.8960, 0.3199,

 0.5431, 0.3359,

0.3513

0.6641

319.8138, 0.3195,  
0.3500

0.0000, 0.0000,  
0.0000

48.1285, 0.3250,  
0.3692

48.1285, 0.3250,  
0.3692

46.5995, 0.3326,  
0.3968

49.8193, 0.3172,  
0.3433

45.2206, 0.3396,  
0.4254

51.6709, 0.3096,  
0.3193

43.9879, 0.3456,  
0.4542

53.6904, 0.3021,  
0.2975

42.8950, 0.3503,  
0.4822

55.8824, 0.2950,  
0.2778

41.9349, 0.3531,  
0.5078

58.2515, 0.2883,  
0.2600

■ 41.1000, 0.3537,  
0.5299

■ 59.6293, 0.2933,  
0.2598

■ 40.3814, 0.3520,  
0.5471

■ 60.9745, 0.2993,  
0.2610

■ 39.7682, 0.3481,  
0.5592

■ 62.3834, 0.3055,  
0.2623

■ 39.5367, 0.3462,  
0.5633

■ 63.8568, 0.3116,  
0.2635

# Harmonies

## Analogous

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



48.1285, 0.3457, 0.3686



48.1285, 0.3250, 0.3692



48.1285, 0.3016, 0.3579

# Triad

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



48.1285, 0.3250, 0.3692



48.1285, 0.2696, 0.2991



48.1285, 0.3443, 0.3194

# Complementary

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



48.1285, 0.3250, 0.3692



37.2431, 0.2989, 0.2884

# 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.



48.1285, 0.3228, 0.3025



48.1285, 0.3250, 0.3692



48.1285, 0.2800, 0.2907

# Square

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



48.1285, 0.3250, 0.3692



48.1285, 0.2702, 0.3162



48.1285, 0.2992, 0.2921



48.1285, 0.3572, 0.3391



# Rectangle

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



48.1285, 0.3250, 0.3692



48.1285, 0.2876, 0.3452



48.1285, 0.2992, 0.2921



48.1285, 0.3378, 0.3133

# Sweetspot

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



48.1306, 0.3250, 0.3692



89.4813, 0.3166, 0.3413



42.6393, 0.3396, 0.3456



19.1945, 0.3172, 0.3431



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

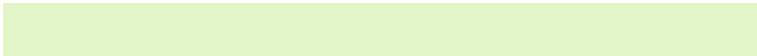


# Same Dimension

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



48.1306, 0.3250, 0.3692



85.2326, 0.3276, 0.3785



46.5270, 0.3128, 0.3707



10.9096, 0.3200, 0.3521



26.6491, 0.3470, 0.5627



1.0818, 0.3641, 0.5491



# Inverse Universe

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



37.2431, 0.2989, 0.2884



62.0668, 0.2954, 0.2789



38.9766, 0.3122, 0.2900



9.4216, 0.3050, 0.3058



3.7135, 0.1910, 0.0826



0.1841, 0.2191, 0.0980



# Previews

## White Background



This preview shows how the Yxy color 48.1285, 0.3250, 0.3692 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 48.1285, 0.3250, 0.3692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

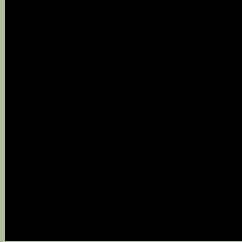
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

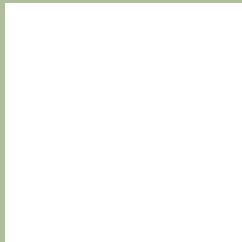
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.1285, 0.3250, 0.3692**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1285, 0.3250, 0.3692.



This preview shows how white text looks on a background with the Yxy color 48.1285, 0.3250, 0.3692.

# 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

48.1285, 0.3250, 0.3692

### Protanopia

48.1506, 0.3441, 0.3651

### Deuteranopia

47.7191, 0.3562, 0.3488



## Tritanopia

48.3033, 0.3004, 0.3112

# Trichromacy



## Original Color

48.1285, 0.3250, 0.3692

## Protanomaly

48.1169, 0.3366, 0.3670

## Deuteranomaly

47.5916, 0.3451, 0.3558

## Tritanomaly

48.2818, 0.3093, 0.3316

# Monochromacy



## Original Color

48.1285, 0.3250, 0.3692

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.4572, 0.3171, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1285, 0.3250, 0.3692 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(176, 189, 159)` looks like.

```
.text, #text, p{  
    color:rgb(176, 189, 159)  
}
```

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(176, 189, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 189, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1285, 0.3250, 0.3692 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(176, 189, 159) }
```

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

```
.border{ border-color:rgb(176, 189, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 189, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 189, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 189, 159);  
box-shadow:4px 4px 4px 4px rgb(176, 189,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1285, 0.3250, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 189, 159) }
```

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

```
.background{ background-color: rgb(176,  
189, 159) }
```

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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