

# Converting Colors

$Yxy(48.0863, 0.3418, 0.3836)$

Have a look what the booklet for  
Yxy(48.0863, 0.3418, 0.3836)  
contains.

<b>Yxy(48.2634, 0.3416, 0.3832)</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(48.2634, 0.3416, 0.3832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8BC93
RGB	184, 188, 147
RGB Percent	72%, 74%, 58%
CMY	0.2783, 0.2628, 0.4234
CMYK	0.02, 0.00, 0.22, 0.26
HSL	66°, 23%, 66%
HSV	66°, 22%, 74%
XYZ	43.0239, 48.2634, 34.6610
YIQ	182.1300, 10.7770, -13.5990

# Conversions

## Conversions Part 2

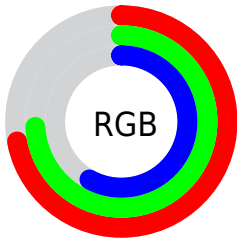
Format	Color
<b>RYB</b>	147, 188, 151
Decimal	12106899
CIELab	74.99, -8.29, 20.32
CIELCh	75, 21.948, 112.202
Yxy	48.2634, 0.3416, 0.3832
Android (android.graphics.Color)	4290296979 (0xFFB8BC93)
YUV	182.1300, -17.3191, 1.6400
Hunter-Lab	69.4719, -11.0307, 19.0493

# Details

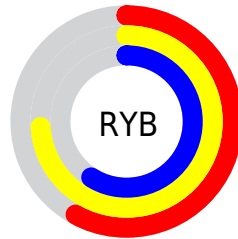
The Yxy color **48.2634, 0.3416, 0.3832** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.0832, 0.2801, 0.2698**, and the grayscale version is **46.9497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4437, 0.3365, 0.3733**, and **22.9978, 0.3497, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **47.4995, 0.3548, 0.4087**, and if you desaturate by 10%, it is **49.1309, 0.3282, 0.3579**.

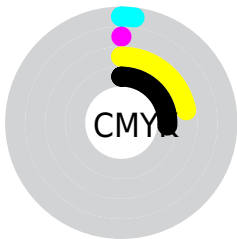
# Distribution



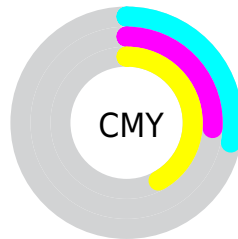
- Red (72%)
- Green (74%)
- Blue (58%)



- Red (58%)
- Yellow (74%)
- Blue (59%)



- Cyan (2%)
- Magenta (0%)
- Yellow (22%)
- Black (26%)




- Cyan (28%)
- Magenta (26%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2634, 0.3416, 0.3832 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 48.2634, 0.3416, 0.3832 by changing the saturation by 10% instead.





 48.2634, 0.3416,  
0.3832

 48.2634, 0.3416,  
0.3832


379.8352, 0.3276,  
0.3559

 34.0355, 0.3450,  
0.3901


 87.5965, 0.3366,  
0.3732

 22.9209, 0.3492,  
0.3989


 113.4704, 0.3347,  
0.3695

 14.5351, 0.3545,  
0.4107


143.9952, 0.3331,  
0.3663

 8.4938, 0.3616,  
0.4270

179.5552, 0.3317,  
0.3636

 4.4125, 0.3712,  
0.4511

220.5348, 0.3304,  
0.3613

 1.9069, 0.3947,  
0.5033

267.3184, 0.3294,

 0.5525, 0.3687,

0.3593

0.6313

320.2904, 0.3284,  
0.3575

0.0000, 0.0000,  
0.0000

48.2634, 0.3416,  
0.3832

48.2634, 0.3416,  
0.3832

47.4995, 0.3548,  
0.4087

49.1309, 0.3282,  
0.3579

46.8282, 0.3673,  
0.4334

50.0999, 0.3150,  
0.3333

46.2464, 0.3785,  
0.4565

51.1768, 0.3023,  
0.3100

45.7486, 0.3880,  
0.4768

52.3654, 0.2903,  
0.2882

45.3286, 0.3952,  
0.4936

53.6693, 0.2791,  
0.2681

■ 44.9793, 0.3999,  
0.5062

■ 54.7778, 0.2717,  
0.2543

■ 44.6922, 0.4021,  
0.5144

■ 55.0213, 0.2730,  
0.2546

■ 44.4895, 0.4024,  
0.5187

■ 55.2678, 0.2742,  
0.2548

■ 55.5172, 0.2755,  
0.2551

# Harmonies

## Analogous

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



48.2634, 0.3644, 0.3748



48.2634, 0.3416, 0.3832



48.2634, 0.3118, 0.3757

# Triad

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



48.2634, 0.3416, 0.3832



48.2634, 0.2557, 0.2987



48.2634, 0.3418, 0.3059

# Complementary

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



48.2634, 0.3416, 0.3832



31.0832, 0.2801, 0.2698

# 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.



48.2634, 0.3114, 0.2877



48.2634, 0.3416, 0.3832



48.2634, 0.2627, 0.2828

# Square

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



48.2634, 0.3416, 0.3832



48.2634, 0.2630, 0.3246



48.2634, 0.2826, 0.2792



48.2634, 0.3649, 0.3299



# Rectangle

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



48.2634, 0.3416, 0.3832



48.2634, 0.2920, 0.3621



48.2634, 0.2826, 0.2792



48.2634, 0.3320, 0.2989

# Sweetspot

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



48.2655, 0.3416, 0.3832



89.8468, 0.3220, 0.3462



34.7506, 0.3552, 0.3338



19.2987, 0.3228, 0.3477



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.



48.2655, 0.3416, 0.3832



86.8155, 0.3478, 0.3950



45.9738, 0.3242, 0.3863



11.0724, 0.3250, 0.3518



30.3109, 0.4027, 0.5185



1.2011, 0.4069, 0.5151



# Inverse Universe

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



31.0832, 0.2801, 0.2698



50.2934, 0.2720, 0.2553



33.1547, 0.2987, 0.2729



9.2683, 0.2998, 0.3054



2.5760, 0.1537, 0.0621



0.1159, 0.1670, 0.0694



# Previews

## White Background



This preview shows how the Yxy color 48.2634, 0.3416, 0.3832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

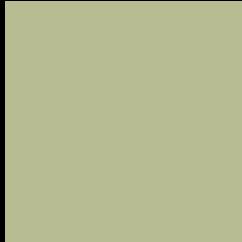
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2634, 0.3416, 0.3832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

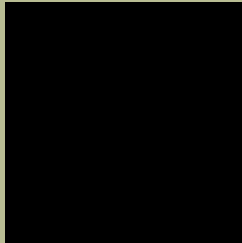
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

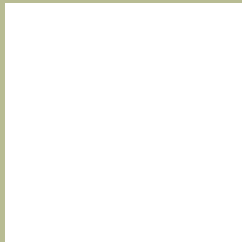
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.2634, 0.3416, 0.3832**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.2634, 0.3416, 0.3832.



This preview shows how white text looks on a background with the Yxy color 48.2634, 0.3416, 0.3832.

# 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

48.2634, 0.3416, 0.3832

### Protanopia

48.0611, 0.3551, 0.3791

### Deuteranopia

47.9103, 0.3706, 0.3632



## Tritanopia

48.1096, 0.3094, 0.3103

# Trichromacy



## Original Color

48.2634, 0.3416, 0.3832

## Protanomaly

47.9797, 0.3503, 0.3797

## Deuteranomaly

47.8824, 0.3599, 0.3706

## Tritanomaly

48.1867, 0.3209, 0.3367

# Monochromacy



## Original Color

48.2634, 0.3416, 0.3832

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.2128, 0.3238, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2634, 0.3416, 0.3832 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(184, 188, 147)` looks like.

```
.text, #text, p{  
    color:rgb(184, 188, 147)  
}
```

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(184, 188, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 188, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2634, 0.3416, 0.3832 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(184, 188, 147) }
```

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

```
.border{ border-color:rgb(184, 188, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 188, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 188, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 188, 147);  
box-shadow:4px 4px 4px 4px rgb(184, 188,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2634, 0.3416, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 188, 147) }
```

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

```
.background{ background-color: rgb(184,  
188, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor