

# Converting Colors

$Yxy(48.3779, 0.3422, 0.3944)$

Have a look what the booklet for  
Yxy(48.3779, 0.3422, 0.3944)  
contains.

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# Color

**Yxy(48.4533, 0.3423, 0.3945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4BE8D
RGB	180, 190, 141
RGB Percent	71%, 75%, 55%
CMY	0.2941, 0.2549, 0.4471
CMYK	0.05, 0.00, 0.26, 0.25
HSL	72°, 27%, 65%
HSV	72°, 26%, 75%
XYZ	42.0420, 48.4533, 32.3268
YIQ	181.4240, 9.7690, -17.3590

# Conversions

## Conversions Part 2

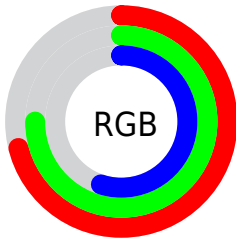
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 190, 151
Decimal	11845261
CIELab	75.11, -11.75, 23.66
CIElCh	75, 26.420, 116.408
Yxy	48.4533, 0.3423, 0.3945
Android (android.graphics.Color)	4290035341 (0xFFB4BE8D)
YUV	181.4240, -19.9290, -1.2488
Hunter-Lab	69.6084, -14.0045, 21.1911

# Details

The Yxy color **48.4533, 0.3423, 0.3945** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.3393, 0.2779, 0.2582**, and the grayscale version is **46.5561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6845, 0.3372, 0.3820**, and **23.1415, 0.3503, 0.4148** is the 20% darker color. If you saturate the color by 10%, you get **47.4786, 0.3533, 0.4209**, and if you desaturate by 10%, it is **49.5424, 0.3308, 0.3683**.

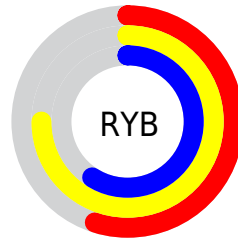
# Distribution



Red (71%)

Green (75%)

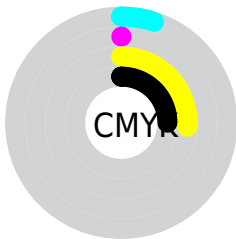
Blue (55%)



Red (55%)

Yellow (75%)

Blue (59%)

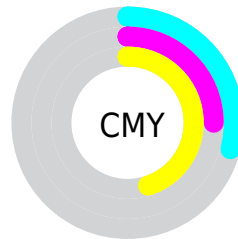


Cyan (5%)

Magenta (0%)

Yellow (26%)

Black (25%)



Cyan (29%)

Magenta (25%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4533, 0.3423, 0.3945 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 48.4533, 0.3423, 0.3945 by changing the saturation by 10% instead.





 48.4533, 0.3423,  
0.3945


 48.4533, 0.3423,  
0.3945


380.5861, 0.3281,  
0.3613


 34.1860, 0.3456,  
0.4029


 87.8789, 0.3373,  
0.3824

 23.0365, 0.3497,  
0.4136


 113.8061, 0.3354,  
0.3778

 14.6205, 0.3547,  
0.4280


 144.3886, 0.3338,  
0.3740

 8.5535, 0.3612,  
0.4479

180.0109, 0.3323,  
0.3707

 4.4511, 0.3692,  
0.4772

221.0575, 0.3311,  
0.3679

 1.9290, 0.3992,  
0.5530

267.9126, 0.3300,

 0.5657, 0.3072,

0.3654

0.6928

320.9606, 0.3290,  
0.3632

0.0000, 0.0000,  
0.0000

48.4533, 0.3423,  
0.3945

48.4533, 0.3423,  
0.3945

47.4786, 0.3533,  
0.4209

49.5424, 0.3308,  
0.3683

46.6067, 0.3634,  
0.4466

50.7440, 0.3193,  
0.3431

45.8344, 0.3721,  
0.4706

52.0649, 0.3080,  
0.3192

45.1555, 0.3788,  
0.4918

53.5090, 0.2973,  
0.2969

44.5632, 0.3831,  
0.5093

55.0805, 0.2871,  
0.2764

■ 44.0497, 0.3849,  
0.5223

■ 56.7830, 0.2777,  
0.2578

■ 43.6051, 0.3842,  
0.5308

■ 57.3364, 0.2804,  
0.2583

■ 43.4305, 0.3836,  
0.5336

■ 57.9024, 0.2831,  
0.2589

■ 58.4823, 0.2859,  
0.2594

# Harmonies

## Analogous

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



48.4533, 0.3716, 0.3861



48.4533, 0.3423, 0.3945



48.4533, 0.3061, 0.3829

# Triad

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



48.4533, 0.3423, 0.3945



48.4533, 0.2450, 0.2889



48.4533, 0.3523, 0.3050

# Complementary

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



48.4533, 0.3423, 0.3945



29.3393, 0.2779, 0.2582

# 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.



48.4533, 0.3161, 0.2824



48.4533, 0.3423, 0.3945



48.4533, 0.2555, 0.2723

# Square

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



48.4533, 0.3423, 0.3945



48.4533, 0.2512, 0.3184



48.4533, 0.2809, 0.2705



48.4533, 0.3782, 0.3339



# Rectangle

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



48.4533, 0.3423, 0.3945



48.4533, 0.2831, 0.3649



48.4533, 0.2809, 0.2705



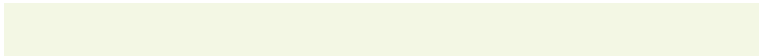
48.4533, 0.3408, 0.2965

# Sweetspot

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



48.4554, 0.3423, 0.3945



91.4230, 0.3220, 0.3488



34.9342, 0.3635, 0.3425



20.0014, 0.3237, 0.3527



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



48.4554, 0.3423, 0.3945



86.7690, 0.3487, 0.4096



45.7889, 0.3213, 0.3990



11.0195, 0.3234, 0.3519



28.9105, 0.3841, 0.5332



1.1578, 0.3930, 0.5262



# Inverse Universe

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



29.3393, 0.2779, 0.2582



46.2184, 0.2686, 0.2403



31.9099, 0.3011, 0.2628



9.3167, 0.3015, 0.3055



2.7835, 0.1610, 0.0661



0.1371, 0.1845, 0.0790



# Previews

## White Background



This preview shows how the Yxy color 48.4533, 0.3423, 0.3945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

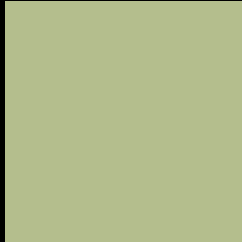
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4533, 0.3423, 0.3945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

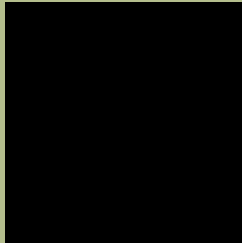
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4533, 0.3423, 0.3945**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4533, 0.3423, 0.3945.



This preview shows how white text looks on a background with the Yxy color 48.4533, 0.3423, 0.3945.

# 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

48.4533, 0.3423, 0.3945

### Protanopia

48.5678, 0.3616, 0.3877

### Deuteranopia

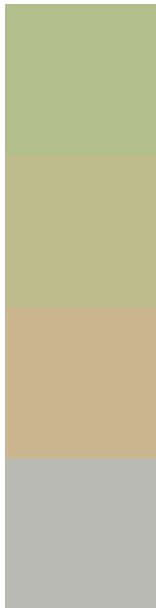
48.0568, 0.3769, 0.3691



## Tritanopia

48.5896, 0.3060, 0.3114

# Trichromacy



## Original Color

48.4533, 0.3423, 0.3945

## Protanomaly

48.5105, 0.3537, 0.3901

## Deuteranomaly

48.1356, 0.3639, 0.3782

## Tritanomaly

48.6064, 0.3189, 0.3406

# Monochromacy



## Original Color

48.4533, 0.3423, 0.3945

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.8579, 0.3244, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4533, 0.3423, 0.3945 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(180, 190, 141)` looks like.

```
.text, #text, p{  
    color:rgb(180, 190, 141)  
}
```

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(180, 190, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 190, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4533, 0.3423, 0.3945 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(180, 190, 141) }
```

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

```
.border{ border-color:rgb(180, 190, 141) }
```

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

Here you see how a box with a 4 pixel rgb(180, 190, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 190, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 190, 141);  
box-shadow:4px 4px 4px 4px rgb(180, 190,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4533, 0.3423, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 190, 141) }
```

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

```
.background{ background-color: rgb(180,  
190, 141) }
```

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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