

# Converting Colors

Yxy(50.2848, 0.3691, 0.4031)

Have a look what the booklet for  
Yxy(50.2848, 0.3691, 0.4031)  
contains.

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# Color

**Yxy(50.2863, 0.3692, 0.4032)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8BD82
RGB	200, 189, 130
RGB Percent	78%, 74%, 51%
CMY	0.2157, 0.2588, 0.4903
CMYK	0.00, 0.06, 0.35, 0.22
HSL	51°, 39%, 65%
HSV	51°, 35%, 78%
XYZ	46.0459, 50.2863, 28.3858
YIQ	185.5630, 25.4950, -16.0170

# Conversions

## Conversions Part 2

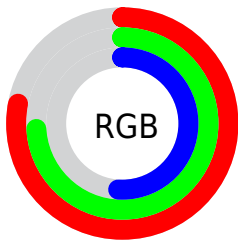
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 200, 130
Decimal	13155714
CIELab	76.24, -4.91, 31.28
CIELCh	76, 31.661, 98.926
Yxy	50.2863, 0.3692, 0.4032
Android (android.graphics.Color)	4291345794 (0xFFC8BD82)
YUV	185.5630, -27.3926, 12.6612
Hunter-Lab	70.9128, -8.1919, 25.9057

# Details

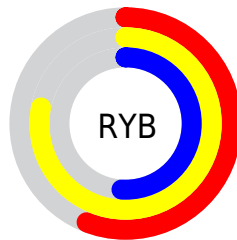
The Yxy color **50.2863, 0.3692, 0.4032** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.9541, 0.2521, 0.2418**, and the grayscale version is **48.9911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9837, 0.3580, 0.3908**, and **24.2072, 0.3831, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **48.4657, 0.3861, 0.4237**, and if you desaturate by 10%, it is **52.2452, 0.3523, 0.3818**.

# Distribution



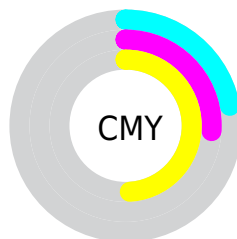
- Red (78%)
- Green (74%)
- Blue (51%)



- Red (56%)
- Yellow (78%)
- Blue (51%)



- Cyan (0%)
- Magenta (6%)
- Yellow (35%)
- Black (22%)




- Cyan (22%)
- Magenta (26%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2863, 0.3692, 0.4032 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 50.2863, 0.3692, 0.4032 by changing the saturation by 10% instead.





 50.2863, 0.3692,  
0.4032


 50.2863, 0.3692,  
0.4032


387.7845, 0.3420,  
0.3666


 35.6409, 0.3756,  
0.4120


 90.5989, 0.3596,  
0.3901

 24.1570, 0.3834,  
0.4231


 117.0350, 0.3559,  
0.3851

 15.4501, 0.3933,  
0.4373

 148.1701, 0.3527,  
0.3809

 9.1359, 0.4058,  
0.4561

184.3885, 0.3500,  
0.3772

 4.8299, 0.4214,  
0.4813

226.0748, 0.3476,  
0.3741

 2.1478, 0.4604,  
0.5396

273.6133, 0.3455,

 0.6913, 0.4373,

0.3713

0.5627

327.3884, 0.3436,  
0.3688

0.0000, 0.0000,  
0.0000

50.2863, 0.3692,  
0.4032

50.2863, 0.3692,  
0.4032

48.4657, 0.3861,  
0.4237

52.2452, 0.3523,  
0.3818

46.7701, 0.4022,  
0.4422

54.3412, 0.3358,  
0.3603

45.1952, 0.4170,  
0.4579

56.5821, 0.3202,  
0.3392

43.7330, 0.4298,  
0.4698

58.9727, 0.3056,  
0.3191

42.3747, 0.4399,  
0.4773

61.5180, 0.2921,  
0.3002

■ 41.1095, 0.4472,  
0.4803

■ 64.2224, 0.2798,  
0.2826

■ 40.5037, 0.4502,  
0.4807

■ 66.0880, 0.2771,  
0.2810

■ 67.6644, 0.2773,  
0.2845

■ 69.2715, 0.2776,  
0.2880

# Harmonies

## Analogous

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



50.2863, 0.3945, 0.3814



50.2863, 0.3692, 0.4032



50.2863, 0.3296, 0.4045

# Triad

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



50.2863, 0.3692, 0.4032



50.2863, 0.2352, 0.2998



50.2863, 0.3350, 0.2842

# Complementary

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



50.2863, 0.3692, 0.4032



27.9541, 0.2521, 0.2418

# 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.



50.2863, 0.2913, 0.2647



50.2863, 0.3692, 0.4032



50.2863, 0.2363, 0.2713

# Square

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



50.2863, 0.3692, 0.4032



50.2863, 0.2532, 0.3406



50.2863, 0.2560, 0.2596



50.2863, 0.3747, 0.3141



# Rectangle

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



50.2863, 0.3692, 0.4032



50.2863, 0.3009, 0.3913



50.2863, 0.2560, 0.2596



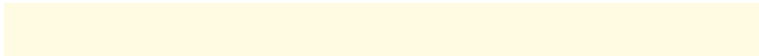
50.2863, 0.3201, 0.2763

# Sweetspot

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



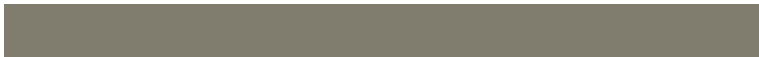
50.2886, 0.3692, 0.4032



95.5441, 0.3297, 0.3521



30.1788, 0.3811, 0.3138



20.3375, 0.3319, 0.3550



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.



50.2886, 0.3692, 0.4032



84.6466, 0.3820, 0.4188



52.2302, 0.3449, 0.4215



12.1222, 0.3269, 0.3483



25.8596, 0.4497, 0.4811



1.3029, 0.4424, 0.4869



# Inverse Universe

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



27.9541, 0.2521, 0.2418



40.3174, 0.2372, 0.2190



26.9295, 0.2708, 0.2307



10.5521, 0.2983, 0.3089



3.3743, 0.1540, 0.0743



0.2473, 0.1633, 0.1077



# Previews

## White Background



This preview shows how the Yxy color 50.2863, 0.3692, 0.4032 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 50.2863, 0.3692, 0.4032 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

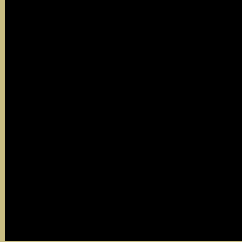
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.2863, 0.3692, 0.4032**

## Background



This preview shows how black text looks on a background with the Yxy color 50.2863, 0.3692, 0.4032.



This preview shows how white text looks on a background with the Yxy color 50.2863, 0.3692, 0.4032.

# 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

50.2863, 0.3692, 0.4032

### Protanopia

50.2747, 0.3723, 0.4013

### Deuteranopia

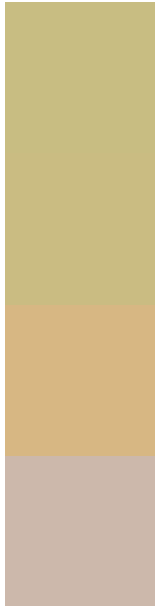
50.1558, 0.3935, 0.3852



## Tritanopia

50.2533, 0.3238, 0.3122

# Trichromacy



## Original Color

50.2863, 0.3692, 0.4032

## Protanomaly

50.1347, 0.3714, 0.4015

## Deuteranomaly

49.9527, 0.3846, 0.3917

## Tritanomaly

50.0586, 0.3406, 0.3451

# Monochromacy



## Original Color

50.2863, 0.3692, 0.4032

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.3702, 0.3327, 0.3560

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.2863, 0.3692, 0.4032 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, 189, 130)` looks like.

```
.text, #text, p{  
    color:rgb(200, 189, 130)  
}
```

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, 189, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 189, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2863, 0.3692, 0.4032 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, 189, 130) }
```

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

```
.border{ border-color:rgb(200, 189, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 189, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 189, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 189, 130);  
box-shadow:4px 4px 4px 4px rgb(200, 189,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2863, 0.3692, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 189, 130) }
```

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

```
.background{ background-color: rgb(200,  
189, 130) }
```

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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