

# Converting Colors

$Yxy(50.3091, 0.3548, 0.3781)$

Have a look what the booklet for  
Yxy(50.3091, 0.3548, 0.3781)  
contains.

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# Color

**Yxy(50.4157, 0.3542, 0.3782)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8BC95
RGB	200, 188, 149
RGB Percent	78%, 74%, 58%
CMY	0.2159, 0.2627, 0.4157
CMYK	0.00, 0.06, 0.25, 0.22
HSL	46°, 32%, 68%
HSV	46°, 25%, 78%
XYZ	47.2164, 50.4157, 35.6722
YIQ	187.1420, 19.6710, -9.5850

# Conversions

## Conversions Part 2

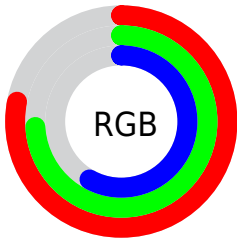
Format	Color
<b>RYB</b>	165, 200, 149
Decimal	13155477
CIELab	76.32, -1.95, 21.30
CIElCh	76, 21.393, 95.239
Yxy	50.4157, 0.3542, 0.3782
Android (android.graphics.Color)	4291345557 (0xFFC8BC95)
YUV	187.1420, -18.8040, 11.2765
Hunter-Lab	71.0040, -5.5577, 19.9157

# Details

The Yxy color **50.4157, 0.3542, 0.3782** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.0172, 0.2708, 0.2744**, and the grayscale version is **49.8755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2732, 0.3456, 0.3698**, and **24.2295, 0.3647, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **47.8659, 0.3722, 0.3979**, and if you desaturate by 10%, it is **53.1446, 0.3370, 0.3584**.

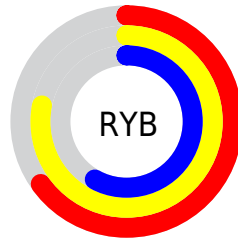
# Distribution



Red (78%)

Green (74%)

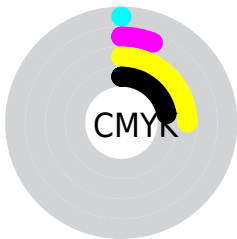
Blue (58%)



Red (65%)

Yellow (78%)

Blue (58%)

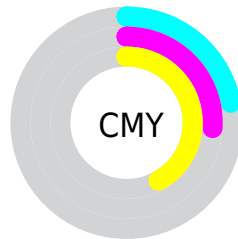


Cyan (0%)

Magenta (6%)

Yellow (25%)

Black (22%)



Cyan (22%)

Magenta (26%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4157, 0.3542, 0.3782 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 50.4157, 0.3542, 0.3782 by changing the saturation by 10% instead.





 50.4157, 0.3542,  
0.3782

 50.4157, 0.3542,  
0.3782


388.2894, 0.3339,  
0.3539

 35.7438, 0.3591,  
0.3841


 90.7905, 0.3469,  
0.3695

 24.2364, 0.3653,  
0.3916


 117.2622, 0.3442,  
0.3662

 15.5091, 0.3733,  
0.4014


148.4359, 0.3418,  
0.3634

 9.1774, 0.3840,  
0.4147

184.6961, 0.3398,  
0.3609

 4.8571, 0.3989,  
0.4335

226.4272, 0.3380,  
0.3588

 2.1637, 0.4273,  
0.4690

274.0135, 0.3365,

 0.7001, 0.4687,

0.3570

0.5313

327.8394, 0.3351,  
0.3554

0.0000, 0.0000,  
0.0000

50.4157, 0.3542,  
0.3782

50.4157, 0.3542,  
0.3782

47.8659, 0.3722,  
0.3979

53.1446, 0.3370,  
0.3584

45.4820, 0.3906,  
0.4169

56.0514, 0.3210,  
0.3392

43.2598, 0.4088,  
0.4341

59.1440, 0.3062,  
0.3208

41.1917, 0.4260,  
0.4485


62.4275, 0.2928,  
0.3036


39.2696, 0.4414,  
0.4592


65.9068, 0.2806,  
0.2876

 37.4841, 0.4543,  
0.4654


 68.6545, 0.2775,  
0.2867

 35.8238, 0.4642,  
0.4668

 71.0879, 0.2778,  
0.2919

 35.1053, 0.4681,  
0.4665

 73.5902, 0.2782,  
0.2971

 76.1619, 0.2786,  
0.3023

# Harmonies

## Analogous

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



50.4157, 0.3691, 0.3632



50.4157, 0.3542, 0.3782



50.4157, 0.3284, 0.3798

# Triad

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



50.4157, 0.3542, 0.3782



50.4157, 0.2602, 0.3132



50.4157, 0.3244, 0.2959

# Complementary

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



50.4157, 0.3542, 0.3782



36.0172, 0.2708, 0.2744

# 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.



50.4157, 0.2951, 0.2833



50.4157, 0.3542, 0.3782



50.4157, 0.2591, 0.2919

# Square

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



50.4157, 0.3542, 0.3782



50.4157, 0.2745, 0.3407



50.4157, 0.2716, 0.2816



50.4157, 0.3516, 0.3164



# Rectangle

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



50.4157, 0.3542, 0.3782



50.4157, 0.3089, 0.3721



50.4157, 0.2716, 0.2816



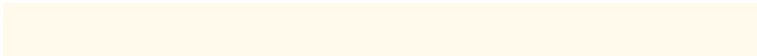
50.4157, 0.3145, 0.2906

# Sweetspot

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



50.4180, 0.3542, 0.3782



95.7467, 0.3251, 0.3442



36.3635, 0.3529, 0.3126



20.3276, 0.3275, 0.3471



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.



50.4180, 0.3542, 0.3782



84.6719, 0.3649, 0.3900



54.0452, 0.3401, 0.3943



11.9799, 0.3271, 0.3466



22.4766, 0.4673, 0.4672



1.1695, 0.4553, 0.4767



# Inverse Universe

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



36.0172, 0.2708, 0.2744



55.2284, 0.2599, 0.2594



33.3132, 0.2803, 0.2593



10.6837, 0.2983, 0.3108



4.0501, 0.1575, 0.0871



0.3069, 0.1690, 0.1282



# Previews

## White Background



This preview shows how the Yxy color 50.4157, 0.3542, 0.3782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

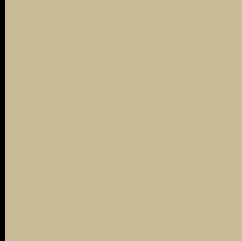
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.4157, 0.3542, 0.3782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

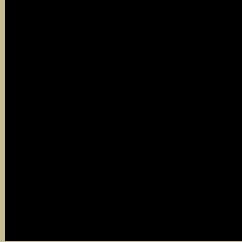
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.4157, 0.3542, 0.3782**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.4157, 0.3542, 0.3782.



This preview shows how white text looks on a background with the Yxy color 50.4157, 0.3542, 0.3782.

# 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

50.4157, 0.3542, 0.3782

### Protanopia

50.4157, 0.3542, 0.3782

### Deuteranopia

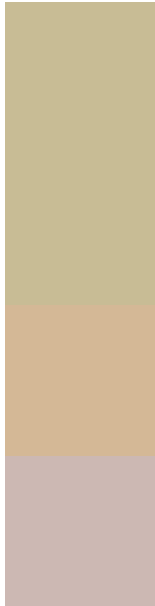
50.3098, 0.3729, 0.3661



## Tritanopia

50.5632, 0.3220, 0.3122

# Trichromacy



## Original Color

50.4157, 0.3542, 0.3782

## Protanomaly

50.4157, 0.3542, 0.3782

## Deuteranomaly

50.4800, 0.3655, 0.3705

## Tritanomaly

50.3730, 0.3339, 0.3352

# Monochromacy



## Original Color

50.4157, 0.3542, 0.3782

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.7642, 0.3279, 0.3468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.4157, 0.3542, 0.3782 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, 188, 149)` looks like.

```
.text, #text, p{  
    color:rgb(200, 188, 149)  
}
```

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, 188, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 188, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 50.4157, 0.3542, 0.3782 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, 188, 149) }
```

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

```
.border{ border-color:rgb(200, 188, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 188, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 188, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 188, 149);  
box-shadow:4px 4px 4px 4px rgb(200, 188,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.4157, 0.3542, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 188, 149) }
```

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

```
.background{ background-color: rgb(200,  
188, 149) }
```

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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