

# Converting Colors

XYZ(50.9042, 58.4843, 48.6510)

Have a look what the booklet for  
XYZ(50.9042, 58.4843, 48.6510)  
contains.

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# Color

**XYZ(50.9391, 58.5005,  
48.6513)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BDCFAE
RGB	189, 207, 174
RGB Percent	74%, 81%, 68%
CMY	0.2588, 0.1882, 0.3176
CMYK	0.09, 0.00, 0.16, 0.19
HSL	93°, 26%, 75%
HSV	93°, 16%, 81%
XYZ	50.9391, 58.5005, 48.6513
YIQ	197.8560, -0.1350, -14.0790

# Conversions

## Conversions Part 2

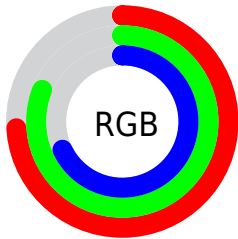
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 207, 192
Decimal	12439470
CIELab	81.02, -12.03, 14.37
CIELCh	81, 18.743, 129.948
Yxy	58.5005, 0.3222, 0.3700
Android (android.graphics.Color)	4290629550 (0xFFBDCFAE)
YUV	197.8560, -11.7610, -7.7667
Hunter-Lab	76.4856, -14.9696, 15.8265

# Details

The XYZ color **50.9391, 58.5005, 48.6513** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.1391, 45.9851, 65.3735**, and the grayscale version is **53.6597, 56.4541, 61.4786**.

A 20% lighter version of the original color is **87.6991, 96.6456, 88.8951**, and **25.0574, 29.4218, 22.7707** is the 20% darker color. If you saturate the color by 10%, you get **46.3820, 56.3684, 38.7032**, and if you desaturate by 10%, it is **56.0286, 60.8745, 60.2503**.

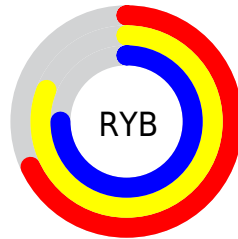
# Distribution



Red (74%)

Green (81%)

Blue (68%)



Red (68%)

Yellow (81%)

Blue (75%)

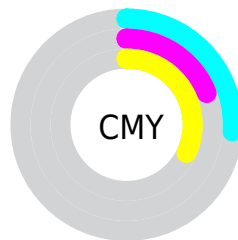


Cyan (9%)

Magenta (0%)

Yellow (16%)

Black (19%)



Cyan (26%)

Magenta (19%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9391, 58.5005, 48.6513 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 XYZ color 50.9391, 58.5005, 48.6513 by changing the saturation by 10% instead.



■ 50.9391, 58.5005,  
48.6513

■ 50.9391, 58.5005,  
48.6513

380.7187,  
419.0483, 397.9509

■ 36.3810, 42.2112,  
33.9793

■ 90.7483, 102.6513,  
89.5490

■ 24.9001, 29.2667,  
22.6005

116.7300,  
131.2816, 116.6117

■ 16.1309, 19.2826,  
14.0963

147.2504,  
164.7944, 148.6418

■ 9.7083, 11.8747,  
8.0481

182.6747,  
203.5739, 186.0577

■ 5.2668, 6.6584,  
4.0375

223.3684,  
248.0047, 229.2780

■ 2.4410, 3.2494,  
1.6460

269.6967,

■ 0.8656, 1.2633,

298.4711, 278.7213

0.3233

322.0250,  
355.3575, 334.8061

■ 0.0000, 0.1125,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.9391, 58.5005,  
48.6513

■ 50.9391, 58.5005,  
48.6513

■ 46.3820, 56.3684,  
38.7032

■ 56.0286, 60.8745,  
60.2503

■ 42.3334, 54.4625,  
30.3270

■ 61.6637, 63.4906,  
73.5664

■ 38.7744, 52.7765,  
23.4433

■ 67.8633, 66.3588,  
88.6672

■ 35.6831, 51.3009,  
17.9641

■ 74.3519, 69.3694,  
104.0786

■ 33.0355, 50.0256,  
13.7921

■ 78.1821, 71.3440,  
104.2579

■ 30.8051, 48.9393,  
10.8175

■ 81.6040, 73.1080,  
104.4180

■ 28.9616, 48.0292,  
8.9129

■ 27.4687, 47.2800,  
7.9194

■ 26.9383, 47.0119,  
7.6544

# Harmonies

## Analogous

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



54.3213, 58.5005, 44.8485



50.9391, 58.5005, 48.6513



48.8711, 58.5005, 56.6337

# Triad

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



50.9391, 58.5005, 48.6513



53.0786, 58.5005, 86.0034



63.2972, 58.5005, 60.0692

# Complementary

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



50.9391, 58.5005, 48.6513



48.1391, 45.9851, 65.3735

# 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.



62.9263, 58.5005, 71.3247



50.9391, 58.5005, 48.6513



56.9046, 58.5005, 87.2013

# Square

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



50.9391, 58.5005, 48.6513



50.0658, 58.5005, 78.4589



60.5432, 58.5005, 81.5632



61.5340, 58.5005, 50.9137



# Rectangle

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



50.9391, 58.5005, 48.6513



48.4564, 58.5005, 63.6776



60.5432, 58.5005, 81.5632



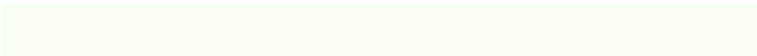
63.4198, 58.5005, 63.7166

# Sweetspot

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



50.9407, 58.5030, 48.6526



90.5518, 97.9105, 98.3274



52.1363, 53.8475, 47.6909



19.2504, 20.8957, 20.7403



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

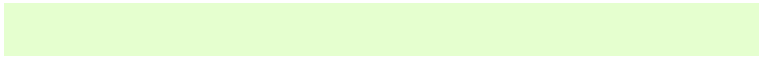


# Same Dimension

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



50.9407, 58.5030, 48.6526



79.1435, 92.5903, 72.4439



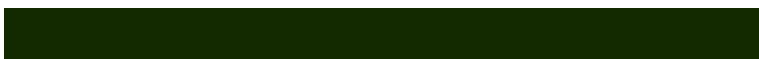
47.5178, 56.7260, 49.0546



12.1594, 13.4656, 12.5703



17.0776, 29.6728, 4.8273



1.0458, 1.7060, 0.2742



# Inverse Universe

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



48.1391, 45.9851, 65.3735



73.8518, 68.9482, 104.0237



51.9989, 47.9904, 64.8543



11.7711, 11.7308, 14.8875



11.4906, 5.1039, 37.5720



0.7333, 0.3322, 2.1050



# Previews

## White Background



This preview shows how the XYZ color 50.9391, 58.5005, 48.6513 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 XYZ color 50.9391, 58.5005, 48.6513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

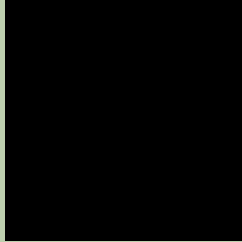
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.9391, 58.5005, 48.6513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9391, 58.5005, 48.6513.



This preview shows how white text looks on a background with the XYZ color 50.9391, 58.5005,



# 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

50.9391, 58.5005, 48.6513

### Protanopia

54.8689, 58.0977, 46.8502

### Deuteranopia

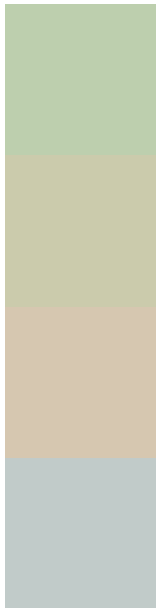
59.5407, 58.4159, 49.7322



## Tritanopia

56.1760, 58.5188, 73.9801

# Trichromacy



## Original Color

50.9391, 58.5005, 48.6513

## Protanomaly

53.4309, 58.3869, 47.4834

## Deuteranomaly

55.9915, 58.2776, 49.3719

## Tritanomaly

53.8909, 58.2664, 63.6645

# Monochromacy



## Original Color

50.9391, 58.5005, 48.6513

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

52.5776, 57.0495, 56.3846

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9391, 58.5005, 48.6513 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(189, 207, 174)` looks like.

```
.text, #text, p{  
    color:rgb(189, 207, 174)  
}
```

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(189, 207, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 207, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9391, 58.5005, 48.6513 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(189, 207, 174) }
```



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

```
.border{ border-color:rgb(189, 207, 174) }
```

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

Here you see how a box with a 4 pixel rgb(189, 207, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 207, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 207, 174);  
box-shadow:4px 4px 4px 4px rgb(189, 207,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9391, 58.5005, 48.6513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 207, 174) }
```

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

```
.background{ background-color: rgb(189,  
207, 174) }
```

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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