

# Converting Colors

XYZ(50.6089, 58.4826, 34.4171)

Have a look what the booklet for  
XYZ(50.6089, 58.4826, 34.4171)  
contains.

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# Color

**XYZ(50.8239, 58.7509,  
34.6480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7CF8F
RGB	199, 207, 143
RGB Percent	78%, 81%, 56%
CMY	0.2196, 0.1882, 0.4392
CMYK	0.04, 0.00, 0.31, 0.19
HSL	68°, 40%, 69%
HSV	68°, 31%, 81%
XYZ	50.8239, 58.7509, 34.6480
YIQ	197.3120, 15.7760, -21.6000

# Conversions

## Conversions Part 2

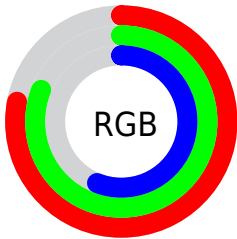
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 207, 151
Decimal	13094799
CIELab	81.15, -12.94, 30.96
CIELCh	81, 33.559, 112.675
Yxy	58.7509, 0.3524, 0.4074
Android (android.graphics.Color)	4291284879 (0xFFC7CF8F)
YUV	197.3120, -26.7758, 1.4804
Hunter-Lab	76.6491, -15.7776, 26.8533

# Details

The XYZ color **50.8239, 58.7509, 34.6480** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.8498, 30.7308, 63.1824**, and the grayscale version is **53.4109, 56.1924, 61.1936**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **24.8246, 29.4845, 14.5079** is the 20% darker color. If you saturate the color by 10%, you get **48.7177, 57.8318, 27.1055**, and if you desaturate by 10%, it is **53.2342, 59.7971, 43.7176**.

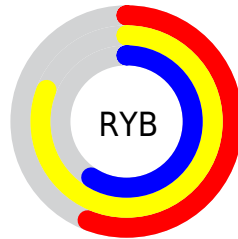
# Distribution



Red (78%)

Green (81%)

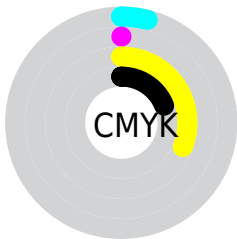
Blue (56%)



Red (56%)

Yellow (81%)

Blue (59%)

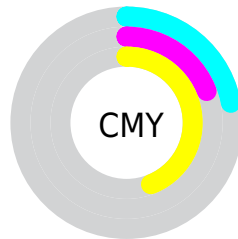


Cyan (4%)

Magenta (0%)

Yellow (31%)

Black (19%)



Cyan (22%)

Magenta (19%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8239, 58.7509, 34.6480 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 50.8239, 58.7509, 34.6480 by changing the saturation by 10% instead.





 50.8239, 58.7509,  
34.6480


 50.8239, 58.7509,  
34.6480


380.2782,  
419.9782, 337.8688

 36.2890, 42.4126,  
23.1105


 90.5790, 103.0155,  
68.0855

 24.8286, 29.4245,  
14.4690


 116.5298,  
131.7107, 90.8225

 16.0774, 19.4022,  
8.3051


147.0166,  
165.2936, 118.1298

 9.6702, 11.9613,  
4.2003

182.4048,  
204.1486, 150.4259

 5.2414, 6.7173,  
1.7358

223.0597,  
248.6602, 188.1292

 2.4258, 3.2859,  
0.3851

269.3466,

 0.8580, 1.2828,

299.2127, 231.6585

0.0000

321.6310,  
356.1906, 281.4322

■ 0.0000, 0.1278,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.8239, 58.7509,  
34.6480

■ 50.8239, 58.7509,  
34.6480

■ 48.7177, 57.8318,  
27.1055

■ 53.2342, 59.7971,  
43.7176

■ 46.8951, 57.0254,  
21.0023


■ 55.9589, 60.9684,  
54.3880


■ 45.3400, 56.3273,  
16.2476


■ 59.0132, 62.2729,  
66.7328


■ 44.0330, 55.7298,  
12.7389


■ 62.4102, 63.7158,  
80.8198


 42.9516, 55.2239,  
10.3586


 66.1619, 65.3020,  
96.7130

 42.0693, 54.7990,  
8.9671

 68.2519, 66.2249,  
103.7932

 41.3970, 54.4657,  
8.3311

 69.0161, 66.6188,  
103.8289

 69.7924, 67.0190,  
103.8653

 70.5808, 67.4255,  
103.9021

# Harmonies

## Analogous

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



57.5701, 58.7509, 32.9117



50.8239, 58.7509, 34.6480



45.8314, 58.7509, 43.3750

# Triad

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



50.8239, 58.7509, 34.6480



48.0902, 58.7509, 99.6729



70.2425, 58.7509, 68.9978

# Complementary

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



50.8239, 58.7509, 34.6480



33.8498, 30.7308, 63.1824

# 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.



67.2112, 58.7509, 90.2280



50.8239, 58.7509, 34.6480



54.1468, 58.7509, 110.1825

# Square

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



50.8239, 58.7509, 34.6480



44.3473, 58.7509, 79.9656



61.1778, 58.7509, 106.4072



69.1665, 58.7509, 50.2633



# Rectangle

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



50.8239, 58.7509, 34.6480



43.9807, 58.7509, 53.1901



61.1778, 58.7509, 106.4072



69.6620, 58.7509, 76.1155

# Sweetspot

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



50.8254, 58.7535, 34.6492



90.5244, 98.0687, 90.5392



41.6730, 37.2121, 30.9737



19.2283, 20.9275, 18.7893



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.



50.8254, 58.7535, 34.6492



79.1932, 93.1710, 47.3665



43.3221, 54.8855, 34.2981



12.6519, 13.7195, 12.5933



26.1356, 34.3424, 5.2512



1.5031, 1.9417, 0.2956



# Inverse Universe

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



33.8498, 30.7308, 63.1824



47.8461, 41.4093, 100.0788



40.4887, 34.1533, 63.4931



11.2991, 11.4875, 14.8654



7.4062, 2.9983, 37.3809



0.4606, 0.1916, 2.0923



# Previews

## White Background



This preview shows how the XYZ color 50.8239, 58.7509, 34.6480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

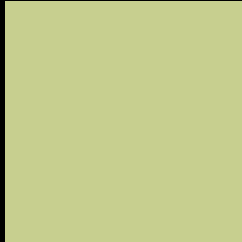
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.8239, 58.7509, 34.6480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

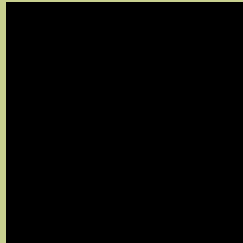
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

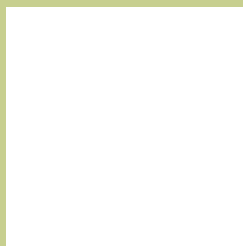
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.8239, 58.7509, 34.6480**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.8239, 58.7509, 34.6480.



This preview shows how white text looks on a background with the XYZ color 50.8239, 58.7509,



# 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

50.8239, 58.7509, 34.6480

### Protanopia

54.3096, 58.4481, 33.6185

### Deuteranopia

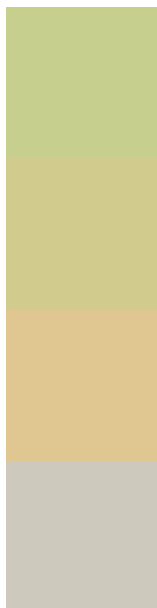
59.8549, 58.5660, 35.3438



## Tritanopia

58.3441, 58.6531, 71.8644

# Trichromacy



## Original Color

50.8239, 58.7509, 34.6480

## Protanomaly

52.8168, 58.3665, 34.0733

## Deuteranomaly

56.0454, 58.2798, 35.0833

## Tritanomaly

55.1406, 58.3833, 55.9398

# Monochromacy



## Original Color

50.8239, 58.7509, 34.6480

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

52.1112, 56.9534, 49.8415

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.8239, 58.7509, 34.6480 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(199, 207, 143)` looks like.

```
.text, #text, p{  
    color:rgb(199, 207, 143)  
}
```

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(199, 207, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 207, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 50.8239, 58.7509, 34.6480 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(199, 207, 143) }
```



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

```
.border{ border-color:rgb(199, 207, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 207, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 207, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 207, 143);  
box-shadow:4px 4px 4px 4px rgb(199, 207,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.8239, 58.7509, 34.6480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 207, 143) }
```

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

```
.background{ background-color: rgb(199,  
207, 143) }
```

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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