

# Converting Colors

XYZ(50.9064, 59.3191, 37.2010)

Have a look what the booklet for  
XYZ(50.9064, 59.3191, 37.2010)  
contains.

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# Color

**XYZ(50.9902, 59.5066,  
37.2322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4D195
RGB	196, 209, 149
RGB Percent	77%, 82%, 58%
CMY	0.2314, 0.1804, 0.4157
CMYK	0.06, 0.00, 0.29, 0.18
HSL	73°, 39%, 70%
HSV	73°, 29%, 82%
XYZ	50.9902, 59.5066, 37.2322
YIQ	198.2730, 11.5120, -21.4160

# Conversions

## Conversions Part 2

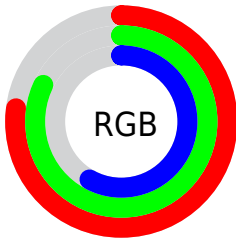
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 209, 162
Decimal	12898709
CIELab	81.57, -14.28, 28.37
CIELCh	82, 31.759, 116.726
Yxy	59.5066, 0.3452, 0.4028
Android (android.graphics.Color)	4291088789 (0xFFC4D195)
YUV	198.2730, -24.2916, -1.9934
Hunter-Lab	77.1405, -17.0067, 25.3818

# Details

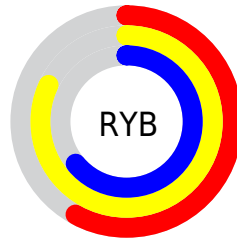
The XYZ color **50.9902, 59.5066, 37.2322** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.1587, 33.7813, 64.8869**, and the grayscale version is **53.9822, 56.7934, 61.8480**.

A 20% lighter version of the original color is **87.0475, 96.7144, 70.5798**, and **25.0813, 30.0753, 16.0385** is the 20% darker color. If you saturate the color by 10%, you get **48.3090, 58.3021, 29.1644**, and if you desaturate by 10%, it is **54.0095, 60.8545, 46.8813**.

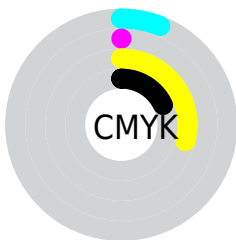
# Distribution



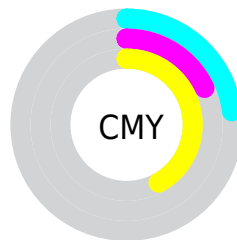
- Red (77%)
- Green (82%)
- Blue (58%)



- Red (58%)
- Yellow (82%)
- Blue (64%)



- Cyan (6%)
- Magenta (0%)
- Yellow (29%)
- Black (18%)




- Cyan (23%)
- Magenta (18%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9902, 59.5066, 37.2322 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 50.9902, 59.5066, 37.2322 by changing the saturation by 10% instead.





 50.9902, 59.5066,  
37.2322


 50.9902, 59.5066,  
37.2322


380.9140,  
422.7767, 349.5136

 36.4218, 43.0211,  
25.0901


 90.8234, 104.1136,  
72.1201

 24.9318, 29.9016,  
15.9246


 116.8189,  
133.0038, 95.7030

 16.1547, 19.7639,  
9.3170

147.3541,  
166.7978, 123.9365

 9.7252, 12.2236,  
4.8489

182.7944,  
205.8798, 157.2393

 5.2780, 6.8961,  
2.1017

223.5053,  
250.6343, 196.0299

 2.4477, 3.3972,  
0.6168

269.8519,

 0.8690, 1.3425,

301.4457, 240.7268

0.0000

322.1997,  
358.6984, 291.7485

■ 0.0000, 0.1737,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.9902, 59.5066,  
37.2322

■ 50.9902, 59.5066,  
37.2322

■ 48.3090, 58.3021,  
29.1644

■ 54.0095, 60.8545,  
46.8813

■ 45.9451, 57.2265,  
22.5897

■ 57.3774, 62.3440,  
58.1861

■ 43.8821, 56.2753,  
17.4171

■ 61.1098, 63.9835,  
71.2206

■ 42.1002, 55.4406,  
13.5442

■ 65.2197, 65.7782,  
86.0535

■ 40.5771, 54.7134,  
10.8545

■ 69.7200, 67.7333,  
102.7497

■ 39.2862, 54.0830,  
9.2109

■ 71.3385, 68.5400,  
104.0773

■ 38.1865, 53.5329,  
8.3977

■ 72.7546, 69.2700,  
104.1436

■ 38.0510, 53.4647,  
8.3142

■ 74.2082, 70.0194,  
104.2116

■ 75.6998, 70.7883,  
104.2814

# Harmonies

## Analogous

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



57.2942, 59.5066, 34.6271



50.9902, 59.5066, 37.2322



46.5086, 59.5066, 46.6724

# Triad

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



50.9902, 59.5066, 37.2322



49.8164, 59.5066, 100.5707



70.3406, 59.5066, 66.9112

# Complementary

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



50.9902, 59.5066, 37.2322



37.1587, 33.7813, 64.8869

# Split Complementary

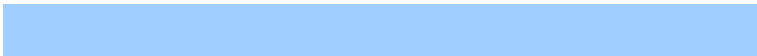
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.9627, 59.5066, 87.0837



50.9902, 59.5066, 37.2322



55.8306, 59.5066, 108.7691

# Square

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



50.9902, 59.5066, 37.2322



45.8692, 59.5066, 82.7369



62.5197, 59.5066, 103.4067



68.7932, 59.5066, 49.6507



# Rectangle

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



50.9902, 59.5066, 37.2322



44.9822, 59.5066, 56.7265



62.5197, 59.5066, 103.4067



69.9695, 59.5066, 73.5891

# Sweetspot

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



50.9917, 59.5092, 37.2335



89.7662, 97.6778, 90.5037



44.6417, 41.5676, 34.1051



19.0404, 20.8307, 18.7805



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

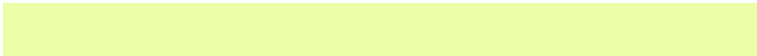


# Same Dimension

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



50.9917, 59.5092, 37.2335



77.5174, 92.2270, 50.9085



43.9532, 55.8807, 36.9041



12.5422, 13.6630, 12.5882



23.5462, 33.0075, 5.1301



1.3804, 1.8785, 0.2898



# Inverse Universe

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



37.1587, 33.7813, 64.8869



52.6239, 45.9124, 100.6962



43.9963, 37.3062, 65.2069



11.3998, 11.5394, 14.8702



7.8402, 3.2221, 37.4012



0.5074, 0.2158, 2.0945



# Previews

## White Background



This preview shows how the XYZ color 50.9902, 59.5066, 37.2322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

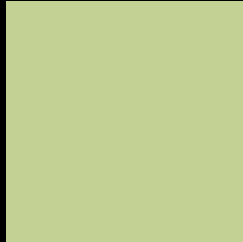
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9902, 59.5066, 37.2322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

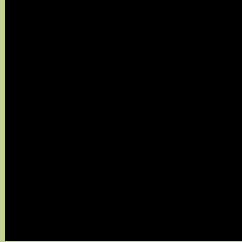
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

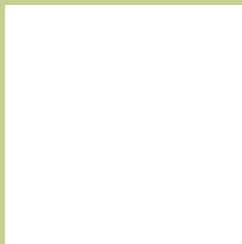
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.9902, 59.5066, 37.2322

## Background



This preview shows how black text looks on a background with the XYZ color 50.9902, 59.5066, 37.2322.



This preview shows how white text looks on a background with the XYZ color 50.9902, 59.5066,



# 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

50.9902, 59.5066, 37.2322

### Protanopia

55.2223, 59.2218, 35.7146

### Deuteranopia

60.5559, 59.2013, 37.9411



## **Tritanopia**

58.2258, 59.2456, 73.3325

# Trichromacy



## Original Color

50.9902, 59.5066, 37.2322

## Protanomaly

53.6761, 59.4709, 36.2538

## Deuteranomaly

56.4408, 58.7692, 37.6470

## Tritanomaly

55.2275, 59.0742, 58.3608

# Monochromacy



## Original Color

50.9902, 59.5066, 37.2322

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

52.3847, 57.4067, 51.4996

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9902, 59.5066, 37.2322 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(196, 209, 149)` looks like.

```
.text, #text, p{  
    color:rgb(196, 209, 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(196, 209, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 209, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9902, 59.5066, 37.2322 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(196, 209, 149) }
```



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

```
.border{ border-color:rgb(196, 209, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 209, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 209, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 209, 149);  
box-shadow:4px 4px 4px 4px rgb(196, 209,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9902, 59.5066, 37.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 209, 149) }
```

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

```
.background{ background-color: rgb(196,  
209, 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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