

# Converting Colors

XYZ(58.4908, 59.5430, 45.8878)

Have a look what the booklet for  
XYZ(58.4908, 59.5430, 45.8878)  
contains.

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# Color

**XYZ(58.6362, 59.7190,  
45.9726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1C7A9
RGB	225, 199, 169
RGB Percent	88%, 78%, 66%
CMY	0.1176, 0.2196, 0.3372
CMYK	0.00, 0.12, 0.25, 0.12
HSL	32°, 48%, 77%
HSV	32°, 25%, 88%
XYZ	58.6362, 59.7190, 45.9726
YIQ	203.3540, 25.1260, -3.8180

# Conversions

## Conversions Part 2

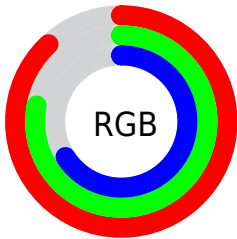
Format	Color
R <sub>Y</sub> B	218, 225, 169
Decimal	14796713
CIE Lab	81.69, 4.59, 18.38
CIE LCh	82, 18.945, 75.991
Yxy	59.7190, 0.3568, 0.3634
Android (android.graphics.Color)	4292986793 (0xFFE1C7A9)
YUV	203.3540, -16.9365, 18.9835
Hunter-Lab	77.2781, 0.2036, 18.8231

# Details

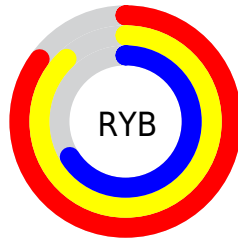
The XYZ color **58.6362, 59.7190, 45.9726** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.4675, 52.9000, 78.8379**, and the grayscale version is **57.0807, 60.0533, 65.3981**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **29.6985, 29.9702, 21.0492** is the 20% darker color. If you saturate the color by 10%, you get **54.3822, 54.3052, 35.0149**, and if you desaturate by 10%, it is **63.4218, 65.6135, 58.9022**.

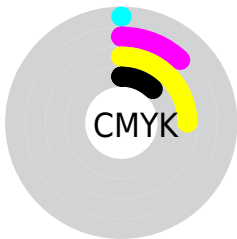
# Distribution



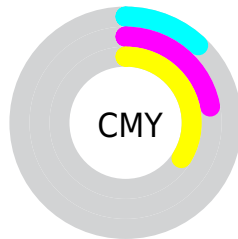
- Red (88%)
- Green (78%)
- Blue (66%)



- Red (85%)
- Yellow (88%)
- Blue (66%)



- Cyan (0%)
- Magenta (12%)
- Yellow (25%)
- Black (12%)




- Cyan (12%)
- Magenta (22%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6362, 59.7190, 45.9726 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 58.6362, 59.7190, 45.9726 by changing the saturation by 10% instead.




 58.6362, 59.7190,  
45.9726

 58.6362, 59.7190,  
45.9726


409.4681,  
423.5612, 386.9729

 42.5656, 43.1922,  
31.8757


 101.9664,  
104.4219, 85.5118

 29.7374, 30.0359,  
21.0025


129.9567,  
133.3668, 111.7913

 19.7865, 19.8659,  
12.9346


162.6509,  
167.2199, 142.9686

 12.3473, 12.2976,  
7.2533

200.4143,  
206.3655, 179.4624

 7.0545, 6.9467,  
3.5402

243.6124,  
251.1880, 221.6911

 3.5429, 3.4288,  
1.3766

292.6105,

 1.4469, 1.3595,

302.0719, 270.0735

0.1234

347.7740,  
359.4015, 325.0279

■ 0.2893, 0.1866,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6362, 59.7190,  
45.9726

■ 58.6362, 59.7190,  
45.9726

■ 54.3822, 54.3052,  
35.0149

■ 63.4218, 65.6135,  
58.9022

■ 50.6332, 49.3501,  
25.9262

■ 68.7549, 71.9939,  
73.8919

■ 47.3672, 44.8414,  
18.5999

■ 74.6561, 78.8756,  
91.0294

■ 44.5583, 40.7631,  
12.9170

■ 80.4928, 86.0103,  
106.9670

■ 42.1776, 37.0981,  
8.7437

■ 83.6700, 92.3648,  
108.0260

■ 40.1921, 33.8269,  
5.9244

■ 84.8614, 94.7476,  
108.4232

■ 38.5621, 30.9275,  
4.2692

■ 37.8348, 29.5744,  
3.7143

# Harmonies

## Analogous

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



62.2526, 59.7190, 50.4842



58.6362, 59.7190, 45.9726



54.6765, 59.7190, 46.1286

# Triad

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



58.6362, 59.7190, 45.9726



49.7097, 59.7190, 71.2579



62.4520, 59.7190, 81.4919

# Complementary

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



58.6362, 59.7190, 45.9726



49.4675, 52.9000, 78.8379

# 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.



58.8981, 59.7190, 88.4811



58.6362, 59.7190, 45.9726



51.6025, 59.7190, 82.1171

# Square

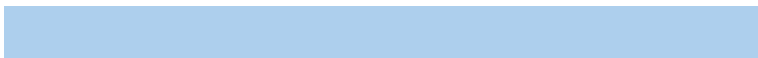
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.6362, 59.7190, 45.9726



49.6470, 59.7190, 59.8552



54.9264, 59.7190, 88.7224



64.5244, 59.7190, 70.4818



# Rectangle

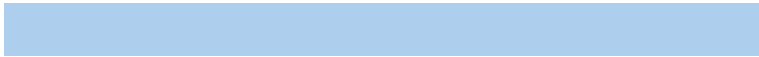
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.6362, 59.7190, 45.9726



52.3766, 59.7190, 48.8363



54.9264, 59.7190, 88.7224



61.3837, 59.7190, 84.4432

# Sweetspot

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



58.6378, 59.7217, 45.9738



89.7214, 93.7299, 93.5986



55.1053, 48.3304, 58.1338



19.1095, 19.9497, 19.7657



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.



58.6378, 59.7217, 45.9738



74.7854, 75.4128, 52.9977



64.5595, 72.4245, 48.1136



14.3124, 14.9107, 14.4305



21.9203, 17.2785, 2.1798



1.6088, 1.3764, 0.1809

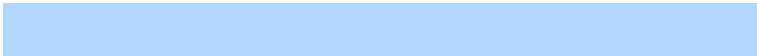


# Inverse Universe

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



49.4675, 52.9000, 78.8379



60.5745, 64.8431, 103.9311



44.5448, 42.4560, 77.0815



13.4738, 14.2868, 17.4352



10.8245, 9.1185, 42.2379



0.8392, 0.8099, 2.9573



# Previews

## White Background



This preview shows how the XYZ color 58.6362, 59.7190, 45.9726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

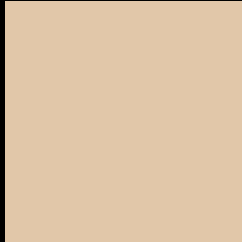
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.6362, 59.7190, 45.9726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

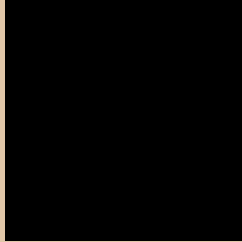
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.6362, 59.7190, 45.9726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.6362, 59.7190, 45.9726.



This preview shows how white text looks on a background with the XYZ color 58.6362, 59.7190,

45.9726.

# 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

58.6362, 59.7190, 45.9726

### Protanopia

56.4382, 59.9483, 47.1246

### Deuteranopia

60.7025, 59.4249, 46.3010



## Tritanopia

63.2117, 59.5664, 68.4874

# Trichromacy



## Original Color

58.6362, 59.7190, 45.9726

## Protanomaly

57.2897, 60.0488, 46.6013

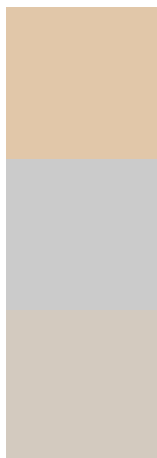
## Deuteranomaly

59.9506, 59.3711, 46.3302

## Tritanomaly

61.2476, 59.4192, 59.2799

# Monochromacy



## Original Color

58.6362, 59.7190, 45.9726

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

57.3885, 59.8515, 57.8180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.6362, 59.7190, 45.9726 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(225, 199, 169)` looks like.

```
.text, #text, p{  
    color:rgb(225, 199, 169)  
}
```

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(225, 199, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 199, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 58.6362, 59.7190, 45.9726 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(225, 199, 169) }
```



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

```
.border{ border-color:rgb(225, 199, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 199, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 199, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 199, 169); box-shadow:4px 4px 4px 4px rgb(225, 199, 169) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.6362, 59.7190, 45.9726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 199, 169) }
```

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

```
.background{ background-color: rgb(225,  
199, 169) }
```

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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