

# Converting Colors

XYZ(67.0047, 73.3399, 59.1216)

Have a look what the booklet for  
XYZ(67.0047, 73.3399, 59.1216)  
contains.

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# **Color**

**XYZ(67.2708, 73.5757,  
59.3712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E1BE
RGB	225, 225, 190
RGB Percent	88%, 88%, 75%
CMY	0.1176, 0.1176, 0.2549
CMYK	0.00, 0.00, 0.16, 0.12
HSL	60°, 37%, 81%
HSV	60°, 16%, 88%
XYZ	67.2708, 73.5757, 59.3712
YIQ	221.0100, 11.2350, -10.8850

# Conversions

## Conversions Part 2

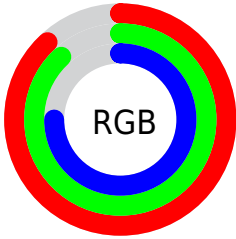
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 225, 190
Decimal	14803390
CIELab	88.72, -5.80, 17.16
CIELCh	89, 18.114, 108.671
Yxy	73.5757, 0.3360, 0.3675
Android (android.graphics.Color)	4292993470 (0xFFE1E1BE)
YUV	221.0100, -15.2879, 3.4992
Hunter-Lab	85.7763, -10.1183, 19.0050

# Details

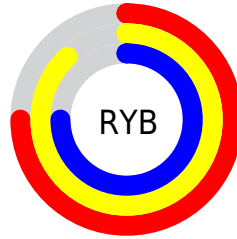
The XYZ color **67.2708, 73.5757, 59.3712** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.2422, 53.2123, 78.7031**, and the grayscale version is **68.8343, 72.4191, 78.8644**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **35.4676, 39.1016, 29.3449** is the 20% darker color. If you saturate the color by 10%, you get **64.9988, 72.6692, 47.4034**, and if you desaturate by 10%, it is **69.9265, 74.6405, 73.3417**.

# Distribution



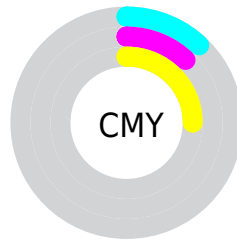
- Red (88%)
- Green (88%)
- Blue (75%)



- Red (75%)
- Yellow (88%)
- Blue (75%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2708, 73.5757, 59.3712 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 67.2708, 73.5757, 59.3712 by changing the saturation by 10% instead.



67.2708, 73.5757,  
59.3712

67.2708, 73.5757,  
59.3712

440.3254,  
473.0077, 440.0163

49.5762, 54.4468,  
42.4900

114.3560,  
124.2941, 105.4514

35.2932, 38.9590,  
29.1568

144.4774,  
156.6525, 135.4875

24.0564, 26.7278,  
18.9528

179.4717,  
194.1895, 170.7457

15.5004, 17.3689,  
11.4597

219.7044,  
237.2895, 211.6444

9.2599, 10.4979,  
6.2589

265.5407,  
286.3370, 258.6023

4.9696, 5.7303,  
2.9318

317.3461,

2.2640, 2.6818,

341.7162, 312.0379

1.0599

375.4859,  
403.8116, 372.3697

■ 0.7761, 0.9680,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.2708, 73.5757,  
59.3712

■ 67.2708, 73.5757,  
59.3712

■ 64.9988, 72.6692,  
47.4034

■ 69.9265, 74.6405,  
73.3417

■ 63.0872, 71.9045,  
37.3423


■ 72.9761, 75.8605,  
89.3958


■ 61.5192, 71.2772,  
29.0907


■ 76.0313, 77.0827,  
105.4789


■ 60.2745, 70.7792,  
22.5414

■ 76.0323, 77.0832,  
105.4790


 59.3305, 70.4015,  
17.5757


 76.0333, 77.0838,  
105.4790


 58.6618, 70.1339,  
14.0596


 76.0344, 77.0843,  
105.4791


 58.2387, 69.9645,  
11.8372

 76.0354, 77.0848,  
105.4791

 58.0250, 69.8789,  
10.7168

 76.0364, 77.0853,  
105.4792

 57.9697, 69.8568,  
10.4284

 76.0374, 77.0859,  
105.4792

# Harmonies

## Analogous

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



71.5985, 73.5757, 58.7192



67.2708, 73.5757, 59.3712



63.7980, 73.5757, 65.2203

# Triad

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



67.2708, 73.5757, 59.3712



64.5178, 73.5757, 99.6156



78.5155, 73.5757, 84.9420

# Complementary

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



67.2708, 73.5757, 59.3712



53.2422, 53.2123, 78.7031

# Split Complementary

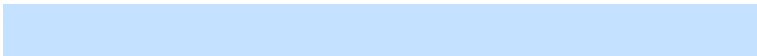
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4460, 73.5757, 97.1125



67.2708, 73.5757, 59.3712



68.2906, 73.5757, 106.1549

# Square

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



67.2708, 73.5757, 59.3712



62.2549, 73.5757, 88.0808



72.6614, 73.5757, 105.1938



78.2145, 73.5757, 72.6379



# Rectangle

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



67.2708, 73.5757, 59.3712



62.3786, 73.5757, 71.6576



72.6614, 73.5757, 105.1938



78.0707, 73.5757, 89.2053

# Sweetspot

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



67.2728, 73.5789, 59.3728



93.0639, 99.2055, 98.4450



58.7614, 56.5540, 56.5352



19.8621, 21.2111, 20.7689



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.



67.2728, 73.5789, 59.3728



88.2050, 97.2617, 72.8679



62.0943, 70.9094, 59.1304



14.8716, 16.0295, 14.6170



33.4030, 40.2524, 6.0090



2.3154, 2.7901, 0.4165



# Inverse Universe

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



53.2422, 53.2123, 78.7031



65.8625, 64.8296, 103.6498



57.8784, 55.6024, 78.9200



12.9523, 13.2434, 17.2613



7.8318, 3.1328, 41.2403

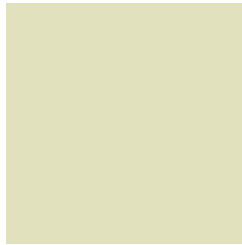


0.5429, 0.2172, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 67.2708, 73.5757, 59.3712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

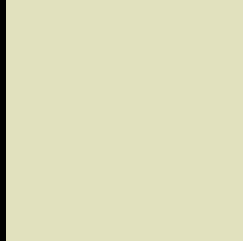
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.2708, 73.5757, 59.3712 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

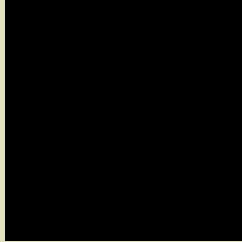
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

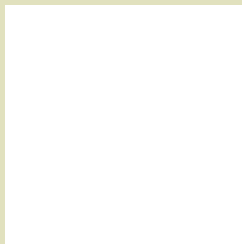
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.2708, 73.5757, 59.3712

## Background



This preview shows how black text looks on a background with the XYZ color 67.2708, 73.5757, 59.3712.



This preview shows how white text looks on a background with the XYZ color 67.2708, 73.5757,



# 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

67.2708, 73.5757, 59.3712

### Protanopia

69.2383, 73.4091, 58.6642

### Deuteranopia

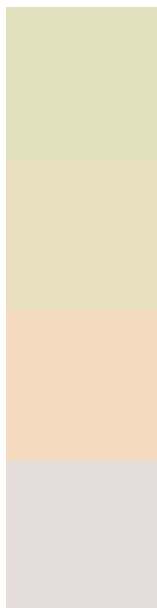
74.8010, 73.1589, 60.0478



## Tritanopia

73.4268, 73.7081, 89.7140

# Trichromacy



## Original Color

67.2708, 73.5757, 59.3712

## Protanomaly

68.5280, 73.4384, 58.7073

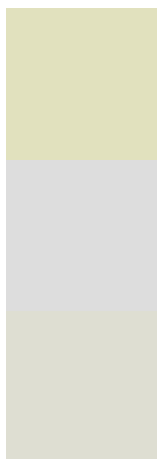
## Deuteranomaly

71.7836, 73.1375, 59.6238

## Tritanomaly

70.9557, 73.4854, 77.4622

# Monochromacy



## Original Color

67.2708, 73.5757, 59.3712

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

67.8783, 72.4253, 71.3747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2708, 73.5757, 59.3712 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, 225, 190)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 190)  
}
```

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, 225, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2708, 73.5757, 59.3712 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, 225, 190) }
```



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

```
.border{ border-color:rgb(225, 225, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 225, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 225, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 225, 190); box-shadow:4px 4px 4px 4px rgb(225, 225, 190) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2708, 73.5757, 59.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 190) }
```

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

```
.background{ background-color: rgb(225,  
225, 190) }
```

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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