

# Converting Colors

XYZ(67.9749, 74.5307, 58.8611)

Have a look what the booklet for  
XYZ(67.9749, 74.5307, 58.8611)  
contains.

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# Color

**XYZ(67.7457, 74.2356,  
58.9024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E2BD
RGB	226, 226, 189
RGB Percent	89%, 89%, 74%
CMY	0.1137, 0.1137, 0.2588
CMYK	0.00, 0.00, 0.16, 0.11
HSL	60°, 39%, 81%
HSV	60°, 16%, 89%
XYZ	67.7457, 74.2356, 58.9024
YIQ	221.7820, 11.8770, -11.5070

# Conversions

## Conversions Part 2

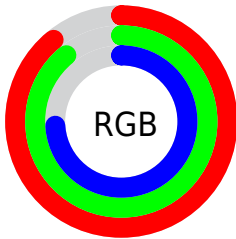
Format	Color
<a href="#">RYB</a>	<a href="#">189, 226, 189</a>
Decimal	<a href="#">14869181</a>
CIELab	<a href="#">89.03, -6.10, 18.13</a>
CIELCh	<a href="#">89, 19.128, 108.591</a>
Yxy	<a href="#">74.2356, 0.3372, 0.3695</a>
Android (android.graphics.Color)	<a href="#">4293059261</a> ( <a href="#">0xFFE2E2BD</a> )
YUV	<a href="#">221.7820, -16.1615, 3.6992</a>
Hunter-Lab	<a href="#">86.1601, -10.4297, 19.7791</a>

# Details

The XYZ color **67.7457, 74.2356, 58.9024** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.9142, 52.7069, 79.3402**, and the grayscale version is **69.3836, 72.9969, 79.4936**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **35.5844, 39.4494, 29.0316** is the 20% darker color. If you saturate the color by 10%, you get **65.4810, 73.3321, 46.9730**, and if you desaturate by 10%, it is **70.3967, 75.2986, 72.8485**.

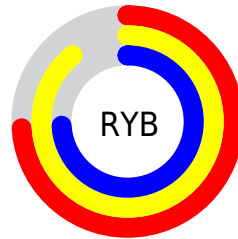
# Distribution



Red (89%)

Green (89%)

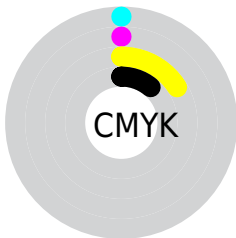
Blue (74%)



Red (74%)

Yellow (89%)

Blue (74%)

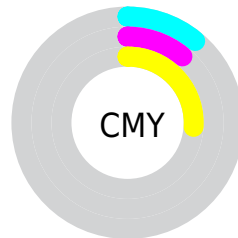


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7457, 74.2356, 58.9024 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 67.7457, 74.2356, 58.9024 by changing the saturation by 10% instead.



67.7457, 74.2356,  
58.9024

67.7457, 74.2356,  
58.9024

441.9854,  
475.2861, 438.2319

49.9638, 54.9869,  
42.1151

115.0322,  
125.2297, 104.7635

35.6023, 39.3912,  
28.8652

145.2675,  
157.7439, 134.6744

24.2959, 27.0642,  
18.7341

180.3846,  
195.4488, 169.7969

15.6792, 17.6215,  
11.3035

220.7489,  
238.7286, 210.5494

9.3868, 10.6786,  
6.1546

266.7258,  
287.9679, 257.3507

5.0535, 5.8511,  
2.8690

318.6806,

2.3137, 2.7548,

343.5510, 310.6192

1.0281

376.9787,  
405.8622, 370.7734

■ 0.8017, 1.0051,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.7457, 74.2356,  
58.9024

■ 67.7457, 74.2356,  
58.9024

■ 65.4810, 73.3321,  
46.9730

■ 70.3967, 75.2986,  
72.8485

■ 63.5791, 72.5712,  
36.9624


■ 73.4445, 76.5178,  
88.8933


■ 62.0228, 71.9486,  
28.7721


■ 76.6150, 77.7861,  
105.5839


■ 60.7914, 71.4559,  
22.2926


■ 76.6160, 77.7866,  
105.5840


 59.8619, 71.0840,  
17.4028


 76.6169, 77.7871,  
105.5840


 59.2083, 70.8225,  
13.9659


 76.6179, 77.7876,  
105.5841


 58.8002, 70.6591,  
11.8219

 76.6188, 77.7881,  
105.5841

 58.5995, 70.5787,  
10.7699

 76.6198, 77.7886,  
105.5841

 58.5542, 70.5606,  
10.5334

 76.6207, 77.7891,  
105.5842

# Harmonies

## Analogous

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



72.3427, 74.2356, 58.2325



67.7457, 74.2356, 58.9024



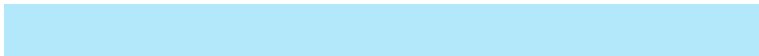
64.0614, 74.2356, 65.0444

# Triad

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



67.7457, 74.2356, 58.9024



64.8070, 74.2356, 101.6022



79.6936, 74.2356, 86.0033

# Complementary

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



67.7457, 74.2356, 58.9024



52.9142, 52.7069, 79.3402

# Split Complementary

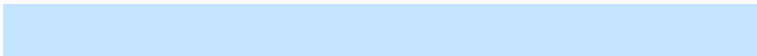
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4812, 74.2356, 98.9827



67.7457, 74.2356, 58.9024



68.8043, 74.2356, 108.6266

# Square

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



67.7457, 74.2356, 58.9024



62.4168, 74.2356, 89.2738



73.4485, 74.2356, 107.6185



79.3795, 74.2356, 72.9361



# Rectangle

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



67.7457, 74.2356, 58.9024



62.5556, 74.2356, 71.8362



73.4485, 74.2356, 107.6185



79.2169, 74.2356, 90.5447

# Sweetspot

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



67.7477, 74.2389, 58.9040



93.0640, 99.2055, 98.4450



58.7493, 56.2398, 55.9041



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.



67.7477, 74.2389, 58.9040



87.8966, 97.1383, 71.2437



62.2565, 71.4081, 58.6470



14.8716, 16.0295, 14.6170



33.4034, 40.2526, 6.0090



2.3154, 2.7901, 0.4165



# Inverse Universe

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



52.9142, 52.7069, 79.3402



64.5466, 63.2441, 103.4131



57.7993, 55.2253, 79.5688



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 67.7457, 74.2356, 58.9024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

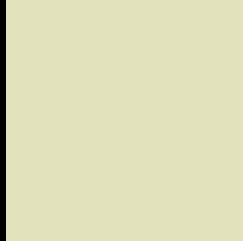
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.7457, 74.2356, 58.9024 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

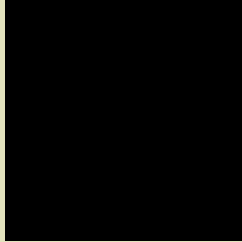
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

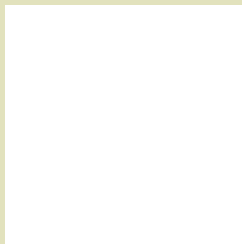
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.7457, 74.2356, 58.9024

## Background



This preview shows how black text looks on a background with the XYZ color 67.7457, 74.2356, 58.9024.



This preview shows how white text looks on a background with the XYZ color 67.7457, 74.2356,



# 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

67.7457, 74.2356, 58.9024

### Protanopia

70.0568, 74.2391, 58.2141

### Deuteranopia

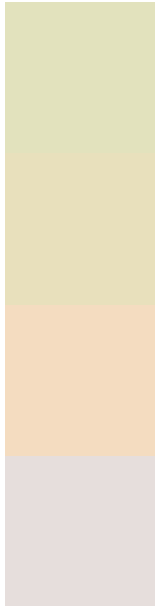
75.4215, 74.2220, 60.8032



## **Tritanopia**

74.2219, 74.1011, 90.5118

# Trichromacy



## Original Color

67.7457, 74.2356, 58.9024

## Protanomaly

69.0115, 74.0980, 58.2420

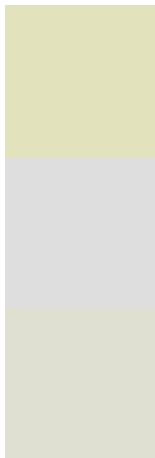
## Deuteranomaly

72.4159, 74.2253, 60.3794

## Tritanomaly

71.6727, 74.2329, 78.2610

# Monochromacy



## Original Color

67.7457, 74.2356, 58.9024

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.4520, 73.1165, 71.4779

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.7457, 74.2356, 58.9024 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(226, 226, 189)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 189)  
}
```

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(226, 226, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 67.7457, 74.2356, 58.9024 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(226, 226, 189) }
```



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

```
.border{ border-color:rgb(226, 226, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 189);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.7457, 74.2356, 58.9024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 189) }
```

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

```
.background{ background-color: rgb(226,  
226, 189) }
```

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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