

Converting Colors

XYZ(68.7923, 74.8740, 63.3459)

Have a look what the booklet for
XYZ(68.7923, 74.8740, 63.3459)
contains.

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Color

**XYZ(68.5242, 74.5470,
63.0019)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E2C4
RGB	226, 226, 196
RGB Percent	89%, 89%, 77%
CMY	0.1137, 0.1137, 0.2314
CMYK	0.00, 0.00, 0.13, 0.11
HSL	60°, 34%, 83%
HSV	60°, 13%, 89%
XYZ	68.5242, 74.5470, 63.0019
YIQ	222.5800, 9.6300, -9.3300

Conversions

Conversions Part 2

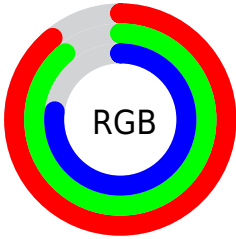
Format	Color
R _Y B	196, 226, 196
Decimal	14869188
CIE Lab	89.18, -5.03, 14.69
CIE LCh	89, 15.523, 108.892
Yxy	74.5470, 0.3325, 0.3618
Android (android.graphics.Color)	4293059268 (0xFFE2E2C4)
YUV	222.5800, -13.1039, 2.9993
Hunter-Lab	86.3406, -9.4296, 17.1751

Details

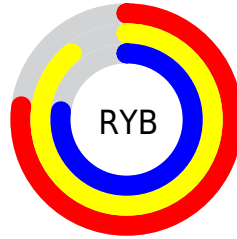
The XYZ color **68.5242, 74.5470, 63.0019** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.2352, 56.7086, 79.9375**, and the grayscale version is **69.9282, 73.5699, 80.1176**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **36.2400, 39.7367, 31.3511** is the 20% darker color. If you saturate the color by 10%, you get **66.1428, 73.5968, 50.4585**, and if you desaturate by 10%, it is **71.2972, 75.6588, 77.5895**.

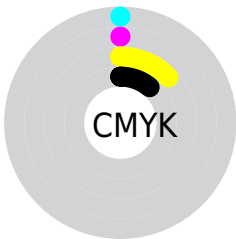
Distribution



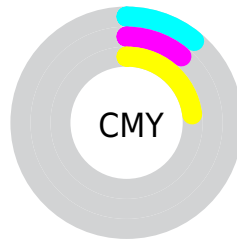
- Red (89%)
- Green (89%)
- Blue (77%)



- Red (77%)
- Yellow (89%)
- Blue (77%)



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5242, 74.5470, 63.0019 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 68.5242, 74.5470, 63.0019 by changing the saturation by 10% instead.

■ 68.5242, 74.5470,
63.0019

■ 68.5242, 74.5470,
63.0019

444.6987,
476.3591, 453.6845

■ 50.5995, 55.2419,
45.4017

116.1395,
125.6709, 110.7579

■ 36.1098, 39.5954,
31.4287

146.5609,
158.2585, 141.7507

■ 24.6895, 27.2232,
20.6643

181.8786,
196.0423, 178.0449

■ 15.9734, 17.7409,
12.6900

222.4579,
239.4068, 220.0590

■ 9.5960, 10.7642,
7.0872

268.6642,
288.7363, 268.2114

■ 5.1921, 5.9085,
3.4374

320.8629,

■ 2.3963, 2.7895,

344.4153, 322.9208

1.3221

379.4193,
406.8281, 384.6056

■ 0.8433, 1.0229,
0.0798

■ 0.0000, 0.0000,
0.0000

■ 68.5242, 74.5470,
63.0019

■ 68.5242, 74.5470,
63.0019

■ 66.1428, 73.5968,
50.4585

■ 71.2972, 75.6588,
77.5895

■ 64.1297, 72.7914,
39.8635


■ 74.4720, 76.9288,
94.3017


■ 62.4683, 72.1267,
31.1206


■ 76.6156, 77.7864,
105.5839


■ 61.1384, 71.5947,
24.1235


■ 76.6167, 77.7870,
105.5840


 60.1179, 71.1863,
18.7552


 76.6178, 77.7876,
105.5841


 59.3816, 70.8917,
14.8841


 76.6189, 77.7882,
105.5841


 58.9009, 70.6993,
12.3586

 76.6201, 77.7887,
105.5842

 58.6408, 70.5951,
10.9949

 76.6212, 77.7893,
105.5842

 58.5525, 70.5597,
10.5333

 76.6223, 77.7899,
105.5843

Harmonies

Analogous

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



72.2662, 74.5470, 62.3854



68.5242, 74.5470, 63.0019



65.5111, 74.5470, 68.2212

Triad

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



68.5242, 74.5470, 63.0019



66.1764, 74.5470, 97.9090



78.2391, 74.5470, 85.2515

Complementary

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



68.5242, 74.5470, 63.0019



56.2352, 56.7086, 79.9375

Split Complementary

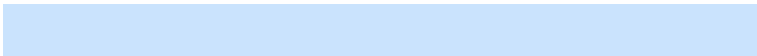
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4812, 74.5470, 95.6594



68.5242, 74.5470, 63.0019



69.4617, 74.5470, 103.3886

Square

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



68.5242, 74.5470, 63.0019



64.1893, 74.5470, 88.1067



73.2374, 74.5470, 102.5305



77.9662, 74.5470, 74.6054

Rectangle

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



68.5242, 74.5470, 63.0019



64.2795, 74.5470, 73.8915



73.2374, 74.5470, 102.5305



77.8636, 74.5470, 88.9094

Sweetspot

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



68.5262, 74.5503, 63.0035



93.4503, 99.3601, 100.4793



61.0701, 59.6359, 60.5177



19.9399, 21.2422, 21.1786



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.



68.5262, 74.5503, 63.0035



89.1608, 97.6440, 77.9002



64.0269, 72.2308, 62.7929



14.8716, 16.0295, 14.6170



33.4024, 40.2521, 6.0089



2.3153, 2.7901, 0.4165

Inverse Universe

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



56.2352, 56.7086, 79.9375



69.9391, 69.7417, 104.3830



60.3336, 58.8214, 80.1293



12.9523, 13.2434, 17.2613



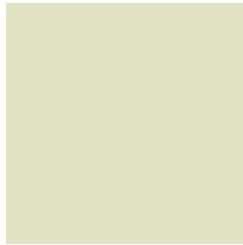
7.8319, 3.1328, 41.2403



0.5429, 0.2172, 2.8585

Previews

White Background



This preview shows how the XYZ color 68.5242, 74.5470, 63.0019 looks on a white background.

Color Contrast Check

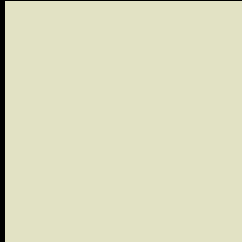
Large Text (above 18pt) WCAG AA × Fail

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 68.5242, 74.5470, 63.0019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

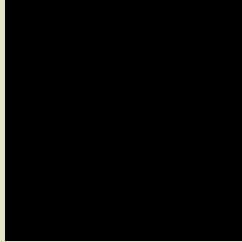
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

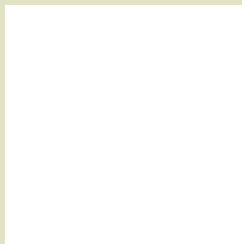
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5242, 74.5470, 63.0019

Background



This preview shows how black text looks on a background with the XYZ color 68.5242, 74.5470, 63.0019.

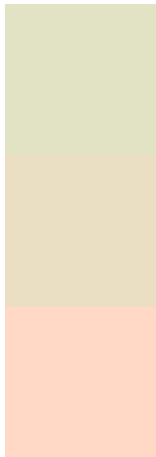


This preview shows how white text looks on a background with the XYZ color 68.5242, 74.5470,

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

68.5242, 74.5470, 63.0019

Protanopia

70.4990, 74.3777, 62.2704

Deuteranopia

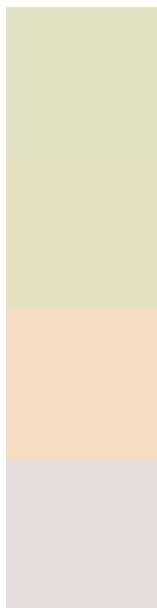
75.9889, 74.4490, 63.7911



Tritanopia

74.1580, 74.4566, 90.5838

Trichromacy



Original Color

68.5242, 74.5470, 63.0019

Protanomaly

69.7847, 74.4072, 62.3137

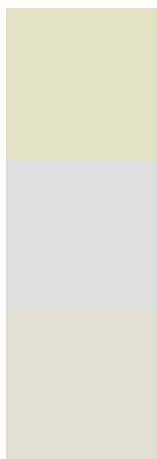
Deuteranomaly

72.9795, 74.4507, 63.3473

Tritanomaly

71.9392, 74.3395, 79.6646

Monochromacy



Original Color

68.5242, 74.5470, 63.0019

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.4064, 73.9627, 73.5689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5242, 74.5470, 63.0019 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 196) }
```

Border

The CSS property to change the border of an element to XYZ 68.5242, 74.5470, 63.0019 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, 196) }
```


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

```
.border{ border-color:rgb(226, 226, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 196);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5242, 74.5470, 63.0019 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, 196) }
```

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

```
.background{ background-color: rgb(226,  
226, 196) }
```

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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