

# Converting Colors

XYZ(68.4812, 74.6874, 61.7823)

Have a look what the booklet for  
XYZ(68.4812, 74.6874, 61.7823)  
contains.

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# Color

**XYZ(68.2980, 74.4565,  
61.8108)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E2C2
RGB	226, 226, 194
RGB Percent	89%, 89%, 76%
CMY	0.1137, 0.1137, 0.2392
CMYK	0.00, 0.00, 0.14, 0.11
HSL	60°, 36%, 82%
HSV	60°, 14%, 89%
XYZ	68.2980, 74.4565, 61.8108
YIQ	222.3520, 10.2720, -9.9520

# Conversions

## Conversions Part 2

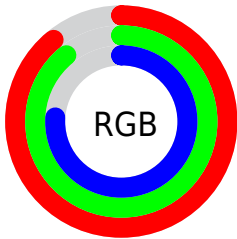
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 226, 194
Decimal	14869186
CIELab	89.14, -5.34, 15.67
CIElCh	89, 16.554, 108.806
Yxy	74.4565, 0.3339, 0.3640
Android (android.graphics.Color)	4293059266 (0xFFE2E2C2)
YUV	222.3520, -13.9775, 3.1993
Hunter-Lab	86.2882, -9.7197, 17.9305

# Details

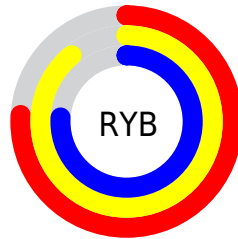
The XYZ color **68.2980, 74.4565, 61.8108** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.2703, 55.5459, 79.7639**, and the grayscale version is **69.7723, 73.4059, 79.9390**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **36.0911, 39.6772, 30.5672** is the 20% darker color. If you saturate the color by 10%, you get **65.9501, 73.5197, 49.4437**, and if you desaturate by 10%, it is **71.0360, 75.5543, 76.2143**.

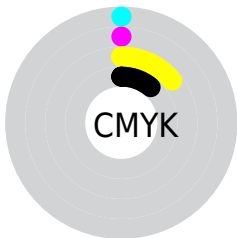
# Distribution



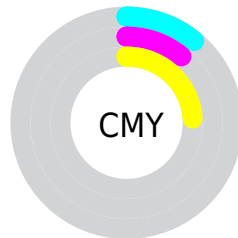
- Red (89%)
- Green (89%)
- Blue (76%)



- Red (76%)
- Yellow (89%)
- Blue (76%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2980, 74.4565, 61.8108 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 68.2980, 74.4565, 61.8108 by changing the saturation by 10% instead.



68.2980, 74.4565,  
61.8108

68.2980, 74.4565,  
61.8108

443.9113,  
476.0474, 449.2292

50.4148, 55.1677,  
44.4450

115.8179,  
125.5427, 109.0210

35.9622, 39.5360,  
30.6808

146.1853,  
158.1090, 139.7025

24.5750, 27.1770,  
20.0995

181.4448,  
195.8698, 175.6596

15.8877, 17.7062,  
12.2826

221.9618,  
239.2097, 217.3110

9.5351, 10.7393,  
6.8116

268.1016,  
288.5131, 265.0751

5.1517, 5.8918,  
3.2679

320.2295,

2.3722, 2.7794,

344.1642, 319.3705

1.2330

378.7110,  
406.5475, 380.6156

■ 0.8312, 1.0177,  
0.0059

■ 0.0000, 0.0000,  
0.0000

■ 68.2980, 74.4565,  
61.8108

■ 68.2980, 74.4565,  
61.8108

■ 65.9501, 73.5197,  
49.4437

■ 71.0360, 75.5543,  
76.2143

■ 63.9690, 72.7271,  
39.0166

■ 74.1743, 76.8097,  
92.7350

■ 62.3378, 72.0746,  
30.4327

■ 76.6153, 77.7863,  
105.5839

■ 61.0364, 71.5538,  
23.5846

■ 76.6164, 77.7868,  
105.5840

60.0421, 71.1560,  
18.3543

76.6174, 77.7874,  
105.5840

59.3298, 70.8710,  
14.6088

76.6185, 77.7879,  
105.5841

58.8702, 70.6870,  
12.1941

76.6196, 77.7885,  
105.5841

58.6277, 70.5899,  
10.9227

76.6206, 77.7890,  
105.5842

58.5531, 70.5600,  
10.5334

76.6217, 77.7895,  
105.5842

# Harmonies

## Analogous

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



72.2849, 74.4565, 61.1761



68.2980, 74.4565, 61.8108



65.0919, 74.4565, 67.3045

# Triad

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



68.2980, 74.4565, 61.8108



65.7828, 74.4565, 98.9582



78.6523, 74.4565, 85.4592

# Complementary

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



68.2980, 74.4565, 61.8108



55.2703, 55.5459, 79.7639

# Split Complementary

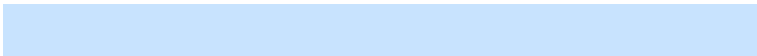
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7662, 74.4565, 96.5961



68.2980, 74.4565, 61.8108



69.2737, 74.4565, 104.8685

# Square

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



68.2980, 74.4565, 61.8108



63.6783, 74.4565, 88.4431



73.2982, 74.4565, 103.9652



78.3667, 74.4565, 74.1194



# Rectangle

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



68.2980, 74.4565, 61.8108



63.7814, 74.4565, 73.3029



73.2982, 74.4565, 103.9652



78.2484, 74.4565, 89.3683

# Sweetspot

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



68.3000, 74.4598, 61.8124



93.4503, 99.3601, 100.4793



60.3958, 58.6492, 59.1772



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.



68.3000, 74.4598, 61.8124



88.8372, 97.5146, 76.1961



63.5151, 71.9931, 61.5885



14.8716, 16.0295, 14.6170



33.4028, 40.2523, 6.0090



2.3154, 2.7901, 0.4165



# Inverse Universe

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



55.2703, 55.5459, 79.7639



68.5585, 68.0782, 104.1347



59.5998, 57.7779, 79.9665



12.9523, 13.2434, 17.2613



7.8319, 3.1328, 41.2403

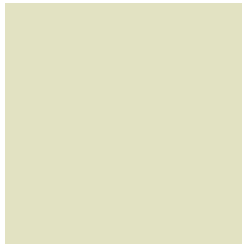


0.5429, 0.2172, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 68.2980, 74.4565, 61.8108 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

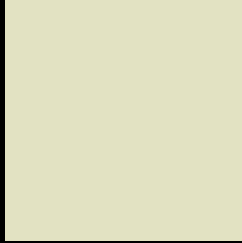
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.2980, 74.4565, 61.8108 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

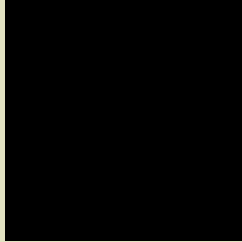
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

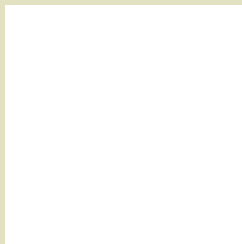
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.2980, 74.4565, 61.8108**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.2980, 74.4565, 61.8108.



This preview shows how white text looks on a background with the XYZ color 68.2980, 74.4565,



# 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

68.2980, 74.4565, 61.8108

### Protanopia

70.2743, 74.2878, 61.0872

### Deuteranopia

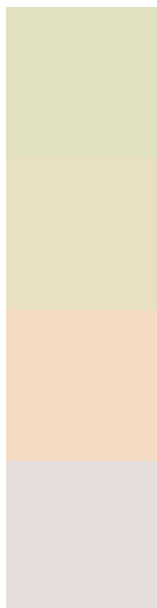
75.8739, 74.4030, 63.1855



## Tritanopia

74.1580, 74.4566, 90.5838

# Trichromacy



## Original Color

68.2980, 74.4565, 61.8108

## Protanomaly

69.5600, 74.3174, 61.1306

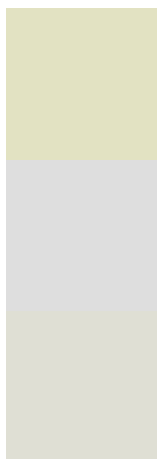
## Deuteranomaly

72.8652, 74.4050, 62.7457

## Tritanomaly

71.8055, 74.2860, 78.9607

# Monochromacy



## Original Color

68.2980, 74.4565, 61.8108

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.7028, 73.2168, 72.7986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.2980, 74.4565, 61.8108 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 68.2980, 74.4565, 61.8108 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, 194) }
```



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

```
.border{ border-color:rgb(226, 226, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 226, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 226, 194); box-shadow:4px 4px 4px 4px rgb(226, 226, 194) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.2980, 74.4565, 61.8108 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, 194) }
```

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

```
.background{ background-color: rgb(226,  
226, 194) }
```

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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