

# Converting Colors

XYZ(68.8127, 74.6582, 64.8210)

Have a look what the booklet for  
XYZ(68.8127, 74.6582, 64.8210)  
contains.

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# Color

**XYZ(68.8692, 74.6850,  
64.8187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E2C7
RGB	226, 226, 199
RGB Percent	89%, 89%, 78%
CMY	0.1137, 0.1137, 0.2196
CMYK	0.00, 0.00, 0.12, 0.11
HSL	60°, 32%, 83%
HSV	60°, 12%, 89%
XYZ	68.8692, 74.6850, 64.8187
YIQ	222.9220, 8.6670, -8.3970

# Conversions

## Conversions Part 2

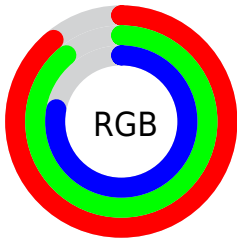
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 226, 199
Decimal	14869191
CIE Lab	89.25, -4.55, 13.21
CIE LCh	89, 13.975, 109.020
Yxy	74.6850, 0.3305, 0.3584
Android (android.graphics.Color)	4293059271 (0xFFE2E2C7)
YUV	222.9220, -11.7935, 2.6994
Hunter-Lab	86.4205, -8.9877, 16.0245

# Details

The XYZ color **68.8692, 74.6850, 64.8187** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.7070, 58.4820, 80.2022**, and the grayscale version is **70.1624, 73.8163, 80.3859**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.4683, 39.8281, 32.5536** is the 20% darker color. If you saturate the color by 10%, you get **66.4372, 73.7145, 52.0095**, and if you desaturate by 10%, it is **71.6950, 75.8179, 79.6837**.

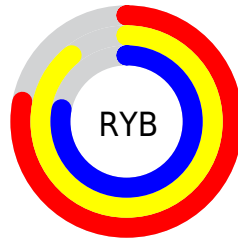
# Distribution



Red (89%)

Green (89%)

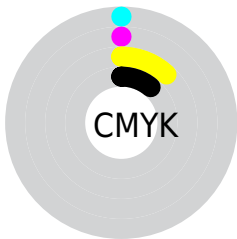
Blue (78%)



Red (78%)

Yellow (89%)

Blue (78%)

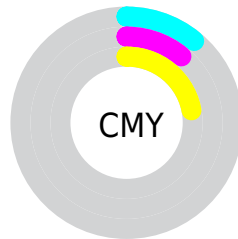


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8692, 74.6850, 64.8187 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 68.8692, 74.6850, 64.8187 by changing the saturation by 10% instead.



68.8692, 74.6850,  
64.8187

68.8692, 74.6850,  
64.8187

445.8981,  
476.8342, 460.4285

50.8814, 55.3549,  
46.8637

116.6298,  
125.8664, 113.3999

36.3349, 39.6859,  
32.5743

147.1334,  
158.4864, 144.8632

24.8643, 27.2937,  
21.5321

182.5396,  
196.3052, 181.6664

16.1042, 17.7940,  
13.3185

223.2139,  
239.7071, 224.2279

9.6892, 10.8022,  
7.5149

269.5215,  
289.0766, 272.9663

5.2541, 5.9340,  
3.7029

321.8278,

2.4334, 2.8050,

344.7980, 328.3002

1.4638

380.4983,  
407.2557, 390.6481

■ 0.8618, 1.0308,  
0.1907

■ 0.0000, 0.0000,  
0.0000

■ 68.8692, 74.6850,  
64.8187

■ 68.8692, 74.6850,  
64.8187

■ 66.4372, 73.7145,  
52.0095

■ 71.6950, 75.8179,  
79.6837

■ 64.3759, 72.8899,  
41.1611

■ 74.9247, 77.1099,  
96.6843


■ 62.6688, 72.2069,  
32.1782


■ 76.6159, 77.7866,  
105.5840


■ 61.2961, 71.6576,  
24.9559

■ 76.6172, 77.7872,  
105.5840


 60.2357, 71.2334,  
19.3785


 76.6184, 77.7879,  
105.5841


 59.4632, 70.9242,  
15.3169


 76.6196, 77.7885,  
105.5841


 58.9503, 70.7189,  
12.6225

 76.6209, 77.7891,  
105.5842

 58.6631, 70.6039,  
11.1168

 76.6221, 77.7898,  
105.5843

 58.5513, 70.5591,  
10.5333

 76.6233, 77.7904,  
105.5843

# Harmonies

## Analogous

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



72.2427, 74.6850, 64.2343



68.8692, 74.6850, 64.8187



66.1475, 74.6850, 69.6099

# Triad

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



68.8692, 74.6850, 64.8187



66.7700, 74.6850, 96.3440



77.6228, 74.6850, 84.9504

# Complementary

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



68.8692, 74.6850, 64.8187



57.7070, 58.4820, 80.2022

# 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.



76.0546, 74.6850, 94.2732



68.8692, 74.6850, 64.8187



69.7437, 74.6850, 101.1932

# Square

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



68.8692, 74.6850, 64.8187



64.9626, 74.6850, 87.5974



73.1454, 74.6850, 100.4064



77.3704, 74.6850, 75.3485



# Rectangle

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



68.8692, 74.6850, 64.8187



65.0349, 74.6850, 74.7762



73.1454, 74.6850, 100.4064



77.2892, 74.6850, 88.2333

# Sweetspot

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



68.8712, 74.6883, 64.8203



93.4502, 99.3600, 100.4793



62.0986, 61.1409, 62.5624



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.



68.8712, 74.6883, 64.8203



89.8234, 97.9091, 81.3892



64.8037, 72.5914, 64.6299



14.8716, 16.0295, 14.6170



33.4018, 40.2518, 6.0089



2.3153, 2.7901, 0.4165



# Inverse Universe

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



57.7070, 58.4820, 80.2022



72.7655, 73.1473, 104.8914



61.4489, 60.4110, 80.3773



12.9523, 13.2435, 17.2613



7.8319, 3.1328, 41.2403

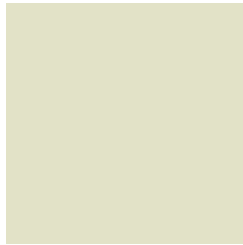


0.5429, 0.2172, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 68.8692, 74.6850, 64.8187 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 68.8692, 74.6850, 64.8187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

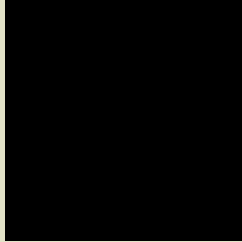
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

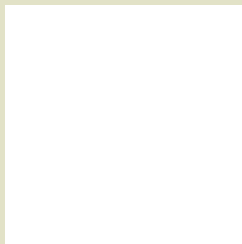
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.8692, 74.6850, 64.8187**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.8692, 74.6850, 64.8187.



This preview shows how white text looks on a background with the XYZ color 68.8692, 74.6850,



# 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

68.8692, 74.6850, 64.8187

### Protanopia

70.5124, 74.3450, 64.0597

### Deuteranopia

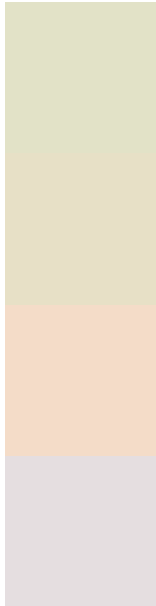
75.9715, 74.3996, 65.6148



## Tritanopia

73.9808, 74.3484, 91.3404

# Trichromacy



## Original Color

68.8692, 74.6850, 64.8187

## Protanomaly

69.8037, 74.3775, 64.1033

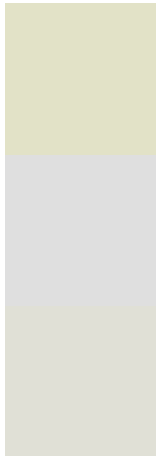
## Deuteranomaly

73.3268, 74.5896, 65.1761

## Tritanomaly

71.8889, 74.2824, 81.0700

# Monochromacy



## Original Color

68.8692, 74.6850, 64.8187

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.5337, 74.0136, 74.2396

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8692, 74.6850, 64.8187 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8692, 74.6850, 64.8187 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, 199) }
```



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

```
.border{ border-color:rgb(226, 226, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 199);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8692, 74.6850, 64.8187 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, 199) }
```

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

```
.background{ background-color: rgb(226,  
226, 199) }
```

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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