

# Converting Colors

XYZ(69.7394, 75.1877, 68.4824)

Have a look what the booklet for  
XYZ(69.7394, 75.1877, 68.4824)  
contains.

<b>XYZ(69.5798, 74.9692, 68.5609)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(69.5798, 74.9692,  
68.5609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E2CD
RGB	226, 226, 205
RGB Percent	89%, 89%, 80%
CMY	0.1137, 0.1137, 0.1961
CMYK	0.00, 0.00, 0.09, 0.11
HSL	60°, 27%, 85%
HSV	60°, 9%, 89%
XYZ	69.5798, 74.9692, 68.5609
YIQ	223.6060, 6.7410, -6.5310

# Conversions

## Conversions Part 2

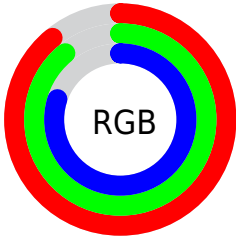
Format	Color
<a href="#">RYB</a>	<a href="#">205, 226, 205</a>
Decimal	<a href="#">14869197</a>
CIELab	<a href="#">89.38, -3.59, 10.26</a>
CIELCh	<a href="#">89, 10.874, 109.277</a>
Yxy	<a href="#">74.9692, 0.3265, 0.3518</a>
Android (android.graphics.Color)	<a href="#">4293059277</a> ( <a href="#">0xFFE2E2CD</a> )
YUV	<a href="#">223.6060, -9.1728, 2.0995</a>
Hunter-Lab	<a href="#">86.5848, -8.0801, 13.6614</a>

# Details

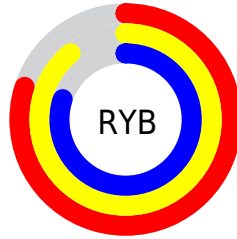
The XYZ color **69.5798, 74.9692, 68.5609** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.7386, 62.1348, 80.7474**, and the grayscale version is **70.6321, 74.3104, 80.9241**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9434, 40.0181, 35.0553** is the 20% darker color. If you saturate the color by 10%, you get **67.0457, 73.9578, 55.2153**, and if you desaturate by 10%, it is **72.5121, 76.1448, 83.9853**.

# Distribution



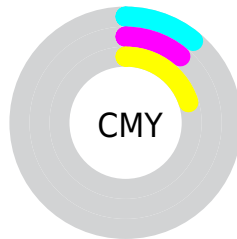
- Red (89%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5798, 74.9692, 68.5609 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 69.5798, 74.9692, 68.5609 by changing the saturation by 10% instead.



■ 69.5798, 74.9692,  
68.5609

■ 69.5798, 74.9692,  
68.5609

448.3627,  
477.8117, 474.1327

■ 51.4624, 55.5877,  
49.8847

117.6389,  
126.2688, 118.8160

■ 36.7993, 39.8724,  
34.9512

148.3112,  
158.9556, 151.2319

■ 25.2251, 27.4391,  
23.3420

183.8993,  
196.8463, 189.0648

■ 16.3745, 17.9033,  
14.6386

224.7685,  
240.3252, 232.7332

■ 9.8820, 10.8806,  
8.4224

271.2840,  
289.7769, 282.6556

■ 5.3825, 5.9866,  
4.2747

323.8113,

■ 2.5104, 2.8369,

345.5855, 339.2507

1.7772

382.7158,  
408.1357, 402.9368

■ 0.9005, 1.0472,  
0.4129

■ 0.0000, 0.0000,  
0.0000

■ 69.5798, 74.9692,  
68.5609

■ 69.5798, 74.9692,  
68.5609

■ 67.0457, 73.9578,  
55.2153

■ 72.5121, 76.1448,  
83.9853

■ 64.8869, 73.0941,  
43.8550


■ 75.8524, 77.4811,  
101.5669


■ 63.0873, 72.3741,  
34.3868


■ 76.6168, 77.7870,  
105.5840


■ 61.6276, 71.7901,  
26.7079


■ 76.6183, 77.7878,  
105.5841


 60.4862, 71.3334,  
20.7057


 76.6198, 77.7886,  
105.5841

 59.6396, 70.9945,  
16.2553


 76.6214, 77.7894,  
105.5842


 59.0605, 70.7627,  
13.2137

 76.6229, 77.7901,  
105.5843

 58.7169, 70.6251,  
11.4123

 76.6244, 77.7909,  
105.5844

 58.5571, 70.5610,  
10.5792

 76.6260, 77.7917,  
105.5844

# Harmonies

## Analogous

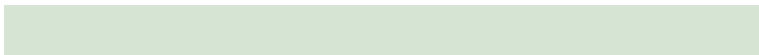
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2124, 74.9692, 68.0585



69.5798, 74.9692, 68.5609



67.4474, 74.9692, 72.4353

# Triad

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



69.5798, 74.9692, 68.5609



67.9691, 74.9692, 93.2478



76.4034, 74.9692, 84.3862

# Complementary

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



69.5798, 74.9692, 68.5609



60.7386, 62.1348, 80.7474

# Split Complementary

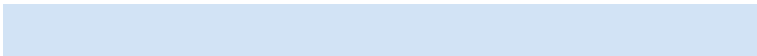
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.2052, 74.9692, 91.5688



69.5798, 74.9692, 68.5609



70.3080, 74.9692, 96.8926

# Square

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



69.5798, 74.9692, 68.5609



66.5336, 74.9692, 86.5635



72.9589, 74.9692, 96.2597



76.1966, 74.9692, 76.8851



# Rectangle

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



69.5798, 74.9692, 68.5609



66.5759, 74.9692, 76.5516



72.9589, 74.9692, 96.2597



76.1504, 74.9692, 86.9255

# Sweetspot

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



69.5818, 74.9725, 68.5625



93.8420, 99.5167, 102.5418



64.2172, 64.2410, 66.7739



20.0187, 21.2737, 21.5937



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.



69.5818, 74.9725, 68.5625



90.8560, 98.3221, 86.8263



66.3900, 73.3270, 68.4131



14.8715, 16.0294, 14.6170



33.4001, 40.2509, 6.0088



2.3152, 2.7900, 0.4165



# Inverse Universe

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



60.7386, 62.1348, 80.7474



77.1701, 78.4546, 105.6837



63.7324, 63.6782, 80.8875



12.9524, 13.2435, 17.2613



7.8320, 3.1329, 41.2403

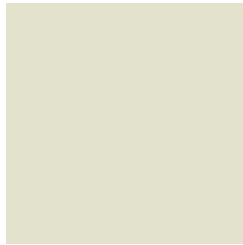


0.5430, 0.2172, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 69.5798, 74.9692, 68.5609 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

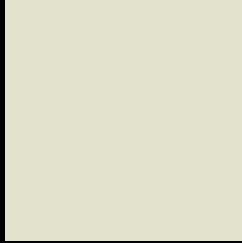
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.5798, 74.9692, 68.5609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

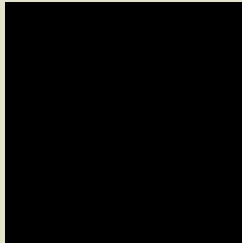
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

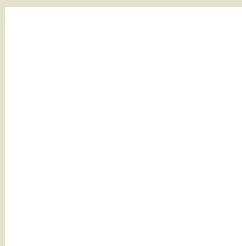
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.5798, 74.9692, 68.5609**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.5798, 74.9692, 68.5609.



This preview shows how white text looks on a background with the XYZ color 69.5798, 74.9692,



# 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

69.5798, 74.9692, 68.5609

### Protanopia

71.1590, 74.9946, 67.8517

### Deuteranopia

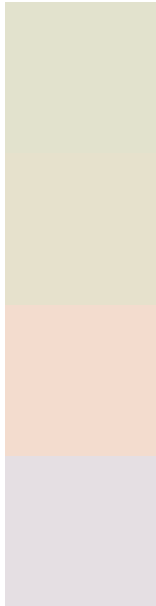
76.5834, 75.0133, 69.4741



## Tritanopia

74.3914, 74.9338, 92.2042

# Trichromacy



## Original Color

69.5798, 74.9692, 68.5609

## Protanomaly

70.4574, 75.0331, 67.8961

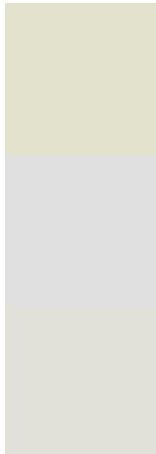
## Deuteranomaly

73.6959, 74.6973, 68.9264

## Tritanomaly

72.5659, 74.9794, 83.3209

# Monochromacy



## Original Color

69.5798, 74.9692, 68.5609

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.5009, 74.8677, 76.3808

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.5798, 74.9692, 68.5609 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, 205) looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 69.5798, 74.9692, 68.5609 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, 205) }
```



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

```
.border{ border-color:rgb(226, 226, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 226, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 226, 205); box-shadow:4px 4px 4px 4px rgb(226, 226, 205) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.5798, 74.9692, 68.5609 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, 205) }
```

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

```
.background{ background-color: rgb(226,  
226, 205) }
```

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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