

# Converting Colors

XYZ(68.0021, 70.0777, 74.9085)

Have a look what the booklet for  
XYZ(68.0021, 70.0777, 74.9085)  
contains.

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# Color

**XYZ(68.0019, 70.0772,  
74.9079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D8D8
RGB	225, 216, 216
RGB Percent	88%, 85%, 85%
CMY	0.1176, 0.1529, 0.1529
CMYK	0.00, 0.04, 0.04, 0.12
HSL	0°, 13%, 86%
HSV	0°, 4%, 88%
XYZ	68.0019, 70.0772, 74.9079
YIQ	218.6910, 5.3640, 1.9080

# Conversions

## Conversions Part 2

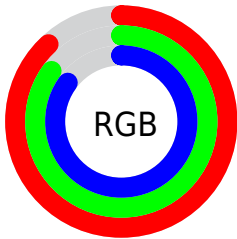
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 216, 216
Decimal	14801112
CIE Lab	87.03, 3.08, 1.09
CIE LCh	87, 3.267, 19.464
Yxy	70.0772, 0.3193, 0.3290
Android (android.graphics.Color)	4292991192 (0xFFE1D8D8)
YUV	218.6910, -1.3267, 5.5330
Hunter-Lab	83.7121, -1.4953, 5.5442

# Details

The XYZ color **68.0019, 70.0772, 74.9079** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.8346, 73.8845, 81.8682**, and the grayscale version is **67.1259, 70.6217, 76.9070**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7555, 36.6090, 38.8999** is the 20% darker color. If you saturate the color by 10%, you get **59.9175, 58.2486, 58.8309**, and if you desaturate by 10%, it is **77.2772, 83.6484, 93.3487**.

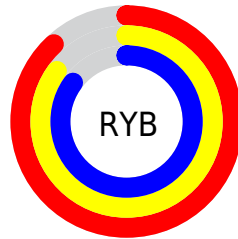
# Distribution



Red (88%)

Green (85%)

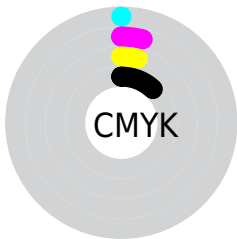
Blue (85%)



Red (88%)

Yellow (85%)

Blue (85%)

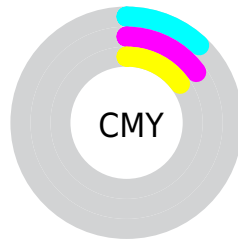


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (12%)



Cyan (12%)

Magenta (15%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0019, 70.0772, 74.9079 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 68.0019, 70.0772, 74.9079 by changing the saturation by 10% instead.



68.0019, 70.0772,  
74.9079

68.0019, 70.0772,  
74.9079

442.8794,  
460.8210, 496.8479

50.1730, 51.5895,  
55.0362

115.3968,  
119.3188, 127.9279

35.7692, 36.6780,  
39.0319

145.6934,  
150.8415, 161.9132

24.4253, 24.9582,  
26.4765

180.8766,  
187.4780, 201.4401

15.7758, 16.0459,  
16.9515

221.3118,  
229.6127, 246.9272

9.4555, 9.5567,  
10.0383

267.3643,  
277.6299, 298.7930

5.0989, 5.1060,  
5.3184

319.3995,

2.3408, 2.3096,

331.9141, 357.4560

2.3733

377.7828,  
392.8497, 423.3348

■ 0.8154, 0.7788,  
0.7719

■ 0.0000, 0.0000,  
0.0000

■ 68.0019, 70.0772,  
74.9079

■ 68.0019, 70.0772,  
74.9079

■ 59.9175, 58.2486,  
58.8309

■ 77.2772, 83.6484,  
93.3487

■ 52.9702, 48.0834,  
45.0179

■ 84.8617, 94.7478,  
108.4232

■ 47.1108, 39.5098,  
33.3685

■ 42.2843, 32.4473,  
23.7733

■ 38.4307, 26.8083,  
16.1132

■ 35.4842, 22.4963,  
10.2567

■ 33.3704, 19.4027,  
6.0564

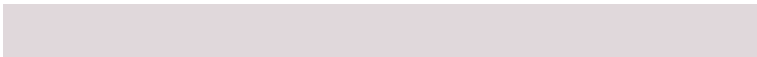
■ 32.0036, 17.4020,  
3.3412

■ 31.2793, 16.3414,  
1.9035

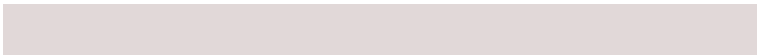
# Harmonies

## Analogous

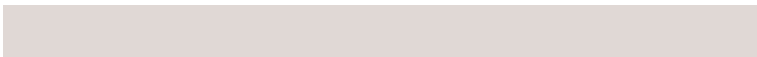
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0620, 70.0772, 77.0745



68.0019, 70.0772, 74.9079



67.5662, 70.0772, 73.1471

# Triad

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



68.0019, 70.0772, 74.9079



65.4953, 70.0772, 73.5986



66.3378, 70.0772, 80.5164

# Complementary

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



68.0019, 70.0772, 74.9079



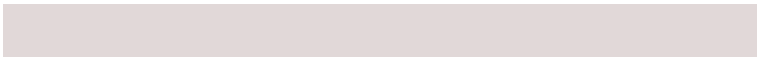
68.8346, 73.8845, 81.8682

# 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.



65.6555, 70.0772, 79.5467



68.0019, 70.0772, 74.9079



65.1715, 70.0772, 75.5350

# Square

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



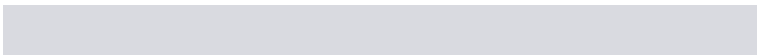
68.0019, 70.0772, 74.9079



66.1176, 70.0772, 72.4012



65.2299, 70.0772, 77.7136



67.0973, 70.0772, 80.3408



# Rectangle

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



68.0019, 70.0772, 74.9079



67.1233, 70.0772, 72.4272



65.2299, 70.0772, 77.7136



66.0919, 70.0772, 80.3129

# Sweetspot

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



68.0039, 70.0802, 74.9094



93.8344, 98.2213, 106.4828



69.1988, 70.5566, 81.2067



20.0972, 21.0422, 22.8172



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

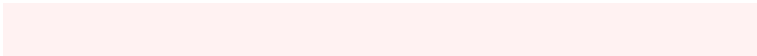


# Same Dimension

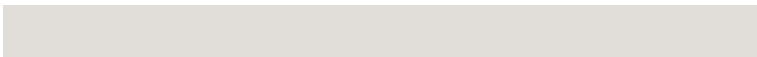
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0039, 70.0802, 74.9094



89.1329, 91.3424, 97.1344



69.1716, 72.4157, 75.2987



14.3812, 14.6868, 15.5679



17.8940, 9.2260, 0.8377



1.2405, 0.6398, 0.0581



# Inverse Universe

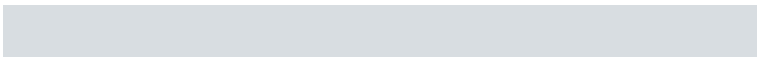
The Inverse Universe completely reimagines the original color for something new.



68.8346, 73.8845, 81.8682



90.5120, 97.6579, 108.6871



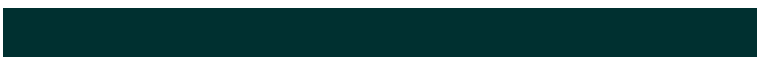
67.6351, 71.4855, 81.4684



14.6325, 15.8379, 17.6735



23.3319, 34.1333, 46.4070

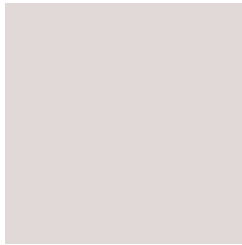


1.6174, 2.3663, 3.2167



# Previews

## White Background



This preview shows how the XYZ color 68.0019, 70.0772, 74.9079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

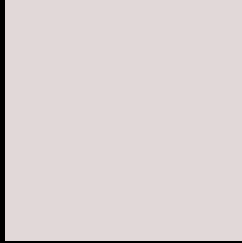
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.0019, 70.0772, 74.9079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

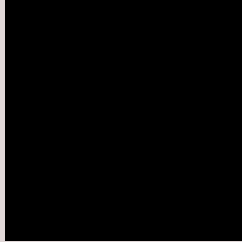
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

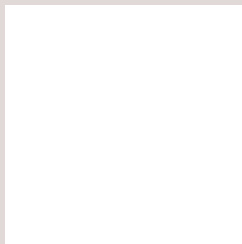
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.0019, 70.0772, 74.9079**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.0019, 70.0772, 74.9079.



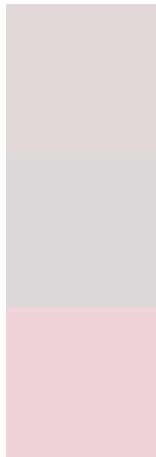
This preview shows how white text looks on a background with the XYZ color 68.0019, 70.0772,



# 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

68.0019, 70.0772, 74.9079

### Protanopia

67.4614, 70.1651, 75.6333

### Deuteranopia

71.4153, 69.9490, 75.3832



## Tritanopia

70.1489, 70.1935, 85.4528

# Trichromacy



## Original Color

68.0019, 70.0772, 74.9079

## Protanomaly

67.7687, 70.3234, 75.6476

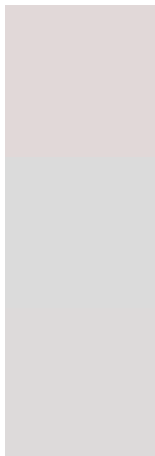
## Deuteranomaly

70.2503, 70.0907, 75.4719

## Tritanomaly

69.3919, 70.2606, 81.8558

# Monochromacy



## Original Color

68.0019, 70.0772, 74.9079

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.5451, 70.5769, 76.3924

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.0019, 70.0772, 74.9079 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(225, 216, 216) looks like.

```
.text, #text, p{  
    color:rgb(225, 216, 216)  
}
```

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(225, 216, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 216, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 68.0019, 70.0772, 74.9079 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(225, 216, 216) }
```



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

```
.border{ border-color:rgb(225, 216, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 216, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 216, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 216, 216);  
box-shadow:4px 4px 4px 4px rgb(225, 216,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.0019, 70.0772, 74.9079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 216, 216) }
```

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

```
.background{ background-color: rgb(225,  
216, 216) }
```

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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