

# Converting Colors

XYZ(68.4904, 70.0864, 75.5757)

Have a look what the booklet for  
XYZ(68.4904, 70.0864, 75.5757)  
contains.

<b>XYZ(68.5034, 69.9415, 75.5352)</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(68.5034, 69.9415,  
75.5352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D7D9
RGB	227, 215, 217
RGB Percent	89%, 84%, 85%
CMY	0.1098, 0.1568, 0.1490
CMYK	0.00, 0.05, 0.04, 0.11
HSL	350°, 18%, 87%
HSV	350°, 5%, 89%
XYZ	68.5034, 69.9415, 75.5352
YIQ	218.8160, 6.5100, 3.1660

# Conversions

## Conversions Part 2

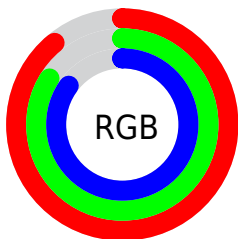
Format	Color
R <sub>Y</sub> B	227, 215, 217
Decimal	14931929
CIE Lab	86.97, 4.46, 0.48
CIE LCh	87, 4.490, 6.169
Yxy	69.9415, 0.3201, 0.3269
Android (android.graphics.Color)	4293122009 (0xFFE3D7D9)
YUV	218.8160, -0.8953, 7.1774
Hunter-Lab	83.6310, -0.1424, 4.9912

# Details

The XYZ color **68.5034, 69.9415, 75.5352** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.0867, 74.8233, 82.0390**, and the grayscale version is **67.2089, 70.7090, 77.0021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1057, 36.5209, 39.3287** is the 20% darker color. If you saturate the color by 10%, you get **60.7979, 58.2454, 61.5119**, and if you desaturate by 10%, it is **77.2972, 83.3605, 91.3154**.

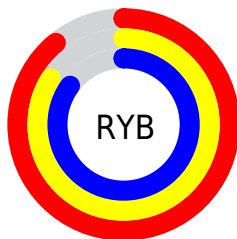
# Distribution



Red (89%)

Green (84%)

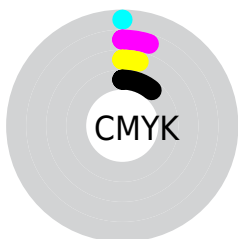
Blue (85%)



Red (89%)

Yellow (84%)

Blue (85%)

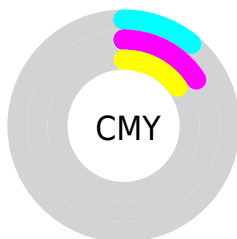


Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (11%)



Cyan (11%)

Magenta (16%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5034, 69.9415, 75.5352 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 68.5034, 69.9415, 75.5352 by changing the saturation by 10% instead.



68.5034, 69.9415,  
75.5352

68.5034, 69.9415,  
75.5352

444.6263,  
460.3446, 499.0595

50.5826, 51.4788,  
55.5471

116.1100,  
119.1253, 128.8237

36.0962, 36.5898,  
39.4384

146.5264,  
150.6153, 162.9612

24.6789, 24.8901,  
26.7905

181.8387,  
187.2165, 202.6523

15.9655, 15.9952,  
17.1849

222.4123,  
229.3133, 248.3154

9.5904, 9.5207,  
10.2030

268.6125,  
277.2901, 300.3691

5.1884, 5.0824,  
5.4264

320.8047,

2.3941, 2.2957,

331.5313, 359.2321

2.4365

379.3542,  
392.4213, 425.3227

■ 0.8422, 0.7714,  
0.8062

■ 0.0000, 0.0000,  
0.0000

■ 68.5034, 69.9415,  
75.5352

■ 68.5034, 69.9415,  
75.5352

■ 60.7979, 58.2454,  
61.5119

■ 77.2972, 83.3605,  
91.3154

■ 54.1323, 48.1937,  
49.1799

■ 85.4644, 95.0613,  
108.3228

■ 48.4635, 39.7152,  
38.4764

■ 85.4890, 95.0711,  
108.4526

■ 43.7432, 32.7302,  
29.3327

■ 39.9188, 27.1516,  
21.6755

■ 36.9325, 22.8836,  
15.4252

■ 34.7198, 19.8182,  
10.4947

■ 33.2063, 17.8303,  
6.7871

■ 32.3023, 16.7665,  
4.1911

# Harmonies

## Analogous

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



68.3400, 69.9415, 78.5130



68.5034, 69.9415, 75.5352



68.1194, 69.9415, 72.7950

# Triad

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



68.5034, 69.9415, 75.5352



65.2937, 69.9415, 71.5844



65.6654, 69.9415, 81.5631

# Complementary

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



68.5034, 69.9415, 75.5352



69.0867, 74.8233, 82.0390

# 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.



64.8618, 69.9415, 79.6156



68.5034, 69.9415, 75.5352



64.6488, 69.9415, 73.8436

# Square

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



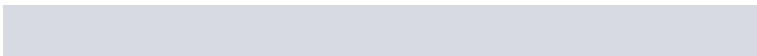
68.5034, 69.9415, 75.5352



66.2607, 69.9415, 70.5530



64.4915, 69.9415, 76.7770



66.6943, 69.9415, 82.0447



# Rectangle

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



68.5034, 69.9415, 75.5352



67.6069, 69.9415, 71.4548



64.4915, 69.9415, 76.7770



65.3603, 69.9415, 81.0557

# Sweetspot

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



68.5054, 69.9445, 75.5367



92.7675, 96.5183, 104.7997



69.2191, 70.1576, 82.5676



19.8800, 20.6953, 22.4745



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

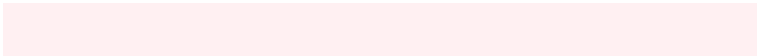


# Same Dimension

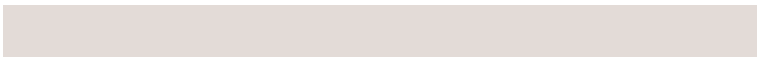
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5054, 69.9445, 75.5367



88.3758, 89.8293, 96.8791



69.2780, 71.9028, 74.5209



14.9753, 15.1684, 16.3410



18.7056, 9.6165, 2.0788



1.4117, 0.7224, 0.3087



# Inverse Universe

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



68.5054, 69.9445, 75.5367



88.3758, 89.8293, 96.8791



68.2796, 72.7708, 83.1215



14.9753, 15.1684, 16.3410



18.7056, 9.6165, 2.0788

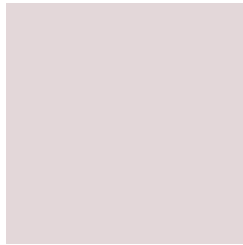


1.4117, 0.7224, 0.3087



# Previews

## White Background



This preview shows how the XYZ color 68.5034, 69.9415, 75.5352 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 68.5034, 69.9415, 75.5352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

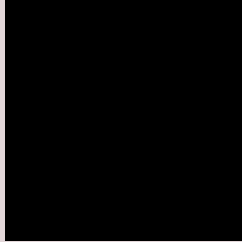
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

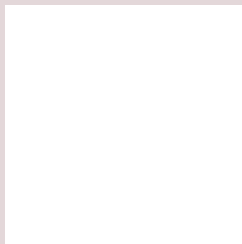
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.5034, 69.9415, 75.5352

## Background



This preview shows how black text looks on a background with the XYZ color 68.5034, 69.9415, 75.5352.



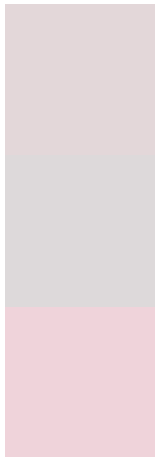
This preview shows how white text looks on a background with the XYZ color 68.5034, 69.9415,

75.5352.

# 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

68.5034, 69.9415, 75.5352

### Protanopia

67.2865, 70.0598, 76.3062

### Deuteranopia

71.5458, 70.0012, 76.0704



## Tritanopia

70.3903, 69.9597, 84.6565

# Trichromacy



## Original Color

68.5034, 69.9415, 75.5352

## Protanomaly

67.6422, 69.8617, 76.2492

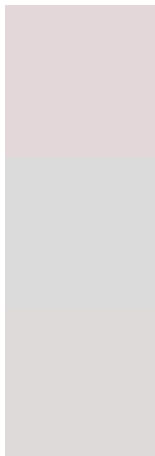
## Deuteranomaly

70.4593, 69.8111, 76.0909

## Tritanomaly

69.6321, 70.0234, 81.0800

# Monochromacy



## Original Color

68.5034, 69.9415, 75.5352

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.8505, 70.7344, 76.4067

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.5034, 69.9415, 75.5352 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(227, 215, 217) looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 217)  
}
```

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(227, 215, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 68.5034, 69.9415, 75.5352 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(227, 215, 217) }
```



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

```
.border{ border-color:rgb(227, 215, 217) }
```

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

Here you see how a box with a 4 pixel rgb(227, 215, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 215, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 215, 217);  
box-shadow:4px 4px 4px 4px rgb(227, 215,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.5034, 69.9415, 75.5352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 217) }
```

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

```
.background{ background-color: rgb(227,  
215, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor