

# Converting Colors

XYZ(71.3742, 75.9082, 68.0167)

Have a look what the booklet for  
XYZ(71.3742, 75.9082, 68.0167)  
contains.

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# **Color**

**XYZ(71.3742, 75.9082,  
68.0167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E2CC
RGB	232, 226, 204
RGB Percent	91%, 89%, 80%
CMY	0.0902, 0.1137, 0.2000
CMYK	0.00, 0.03, 0.12, 0.09
HSL	47°, 38%, 85%
HSV	47°, 12%, 91%
XYZ	71.3742, 75.9082, 68.0167
YIQ	225.2860, 10.6380, -5.5700

# Conversions

## Conversions Part 2

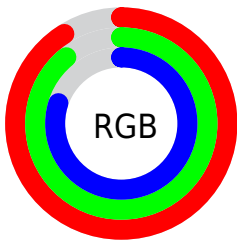
Format	Color
R <sub>Y</sub> B	212, 232, 204
Decimal	15262412
CIE Lab	89.82, -1.64, 11.47
CIE LCh	90, 11.591, 98.122
Yxy	75.9082, 0.3315, 0.3526
Android (android.graphics.Color)	4293452492 (0xFFE8E2CC)
YUV	225.2860, -10.4940, 5.8882
Hunter-Lab	87.1253, -6.2398, 14.7014

# Details

The XYZ color **71.3742, 75.9082, 68.0167** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.5138, 64.7556, 85.5489**, and the grayscale version is **71.8433, 75.5848, 82.3118**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9724, 40.5579, 34.6813** is the 20% darker color. If you saturate the color by 10%, you get **67.4657, 72.2171, 53.9929**, and if you desaturate by 10%, it is **75.7405, 79.8501, 84.2399**.

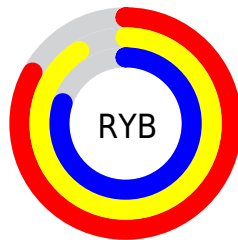
# Distribution



Red (91%)

Green (89%)

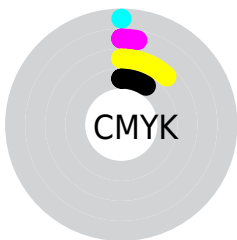
Blue (80%)



Red (83%)

Yellow (91%)

Blue (80%)

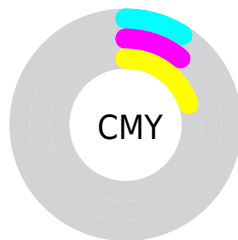


Cyan (0%)

Magenta (3%)

Yellow (12%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3742, 75.9082, 68.0167 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 71.3742, 75.9082, 68.0167 by changing the saturation by 10% instead.



■ 71.3742, 75.9082,  
68.0167

■ 71.3742, 75.9082,  
68.0167

454.5520,  
481.0334, 472.1548

■ 52.9313, 56.3572,  
49.4445

120.1820,  
127.5971, 118.0305

■ 37.9752, 40.4894,  
34.6042

151.2776,  
160.5039, 150.3092

■ 26.1405, 27.9203,  
23.0770

187.3214,  
198.6314, 187.9938

■ 17.0620, 18.2656,  
14.4445

228.6789,  
242.3640, 231.5029

■ 10.3743, 11.1409,  
8.2882

275.7153,  
292.0861, 281.2550

■ 5.7120, 6.1617,  
4.1895

328.7961,

■ 2.7097, 2.9436,

348.1821, 337.6687

1.7299

388.2865,  
411.0364, 401.1625

■ 1.0022, 1.1024,  
0.3811

■ 0.0000, 0.0000,  
0.0000

■ 71.3742, 75.9082,  
68.0167

■ 71.3742, 75.9082,  
68.0167

■ 67.4657, 72.2171,  
53.9929

■ 75.7405, 79.8501,  
84.2399

■ 63.9903, 68.7587,  
42.0674

■ 80.5760, 84.0403,  
102.7479

■ 60.9300, 65.5281,  
32.1382

■ 82.7573, 87.2325,  
107.0835

■ 58.2632, 62.5158,  
24.0931

■ 84.2472, 90.2123,  
107.5802

■ 55.9663, 59.7120,  
17.8086

■ 85.7775, 93.2729,  
108.0903

■ 54.0125, 57.1054,  
13.1466

■ 87.0890, 95.8960,  
108.5274

■ 52.3713, 54.6833,  
9.9479

■ 51.0062, 52.4304,  
8.0214

■ 50.0735, 50.7449,  
7.1556

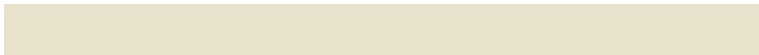
# Harmonies

## Analogous

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



74.2176, 75.9082, 68.8779



71.3742, 75.9082, 68.0167



68.8059, 75.9082, 70.8675

# Triad

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



71.3742, 75.9082, 68.0167



67.9072, 75.9082, 92.7621



77.3740, 75.9082, 88.6613

# Complementary

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



71.3742, 75.9082, 68.0167



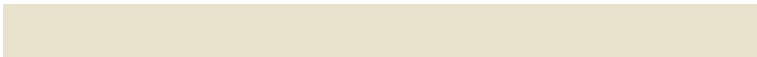
62.5138, 64.7556, 85.5489

# 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.



75.5976, 75.9082, 95.6735



71.3742, 75.9082, 68.0167



70.1182, 75.9082, 98.1480

# Square

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



71.3742, 75.9082, 68.0167



66.8391, 75.9082, 84.8966



72.9283, 75.9082, 99.2472



77.7318, 75.9082, 80.4456



# Rectangle

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



71.3742, 75.9082, 68.0167



67.5778, 75.9082, 74.6078



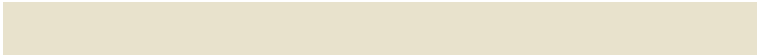
72.9283, 75.9082, 99.2472



76.9207, 75.9082, 91.2527

# Sweetspot

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



71.3763, 75.9115, 68.0183



92.7581, 97.9748, 100.2484



66.5137, 64.9991, 70.0578



19.7640, 20.8903, 21.1199



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.



71.3763, 75.9115, 68.0183



87.4354, 93.1297, 80.5926



70.5177, 77.9317, 68.4535



15.3260, 16.2658, 15.2363



27.8940, 28.3621, 4.0043



2.1267, 2.2268, 0.3177



# Inverse Universe

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



62.5138, 64.7556, 85.5489



74.8076, 77.2343, 105.5727



63.2915, 63.0002, 85.1691



13.8317, 14.3848, 18.1919



8.7864, 4.6349, 42.8147

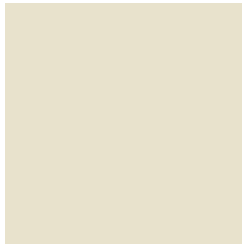


0.7163, 0.4765, 3.1862



# Previews

## White Background



This preview shows how the XYZ color 71.3742, 75.9082, 68.0167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

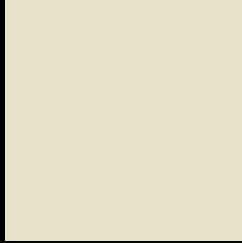
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3742, 75.9082, 68.0167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

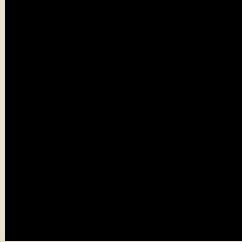
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

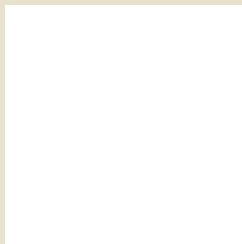
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.3742, 75.9082, 68.0167**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3742, 75.9082, 68.0167.



This preview shows how white text looks on a background with the XYZ color 71.3742, 75.9082,



# 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

71.3742, 75.9082, 68.0167

### Protanopia

72.0852, 75.8722, 67.9722

### Deuteranopia

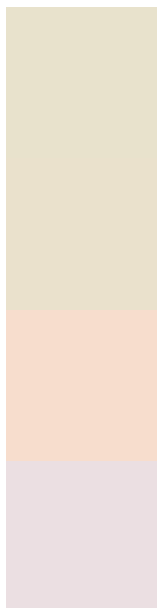
77.4520, 75.8590, 68.9526



## Tritanopia

76.2141, 75.8905, 91.5203

# Trichromacy



## Original Color

71.3742, 75.9082, 68.0167

## Protanomaly

71.7560, 75.7025, 67.9568

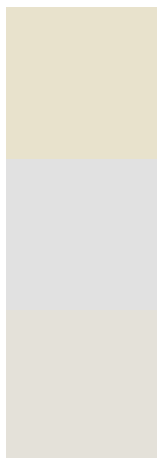
## Deuteranomaly

75.2337, 75.8948, 68.4415

## Tritanomaly

74.3761, 75.9285, 82.6871

# Monochromacy



## Original Color

71.3742, 75.9082, 68.0167

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.4445, 75.3542, 76.4249

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3742, 75.9082, 68.0167 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(232, 226, 204) looks like.

```
.text, #text, p{  
    color:rgb(232, 226, 204)  
}
```

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(232, 226, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 226, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3742, 75.9082, 68.0167 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(232, 226, 204) }
```



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

```
.border{ border-color:rgb(232, 226, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 226, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 226, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 226, 204);  
box-shadow:4px 4px 4px 4px rgb(232, 226,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3742, 75.9082, 68.0167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 226, 204) }
```

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

```
.background{ background-color: rgb(232,  
226, 204) }
```

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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