

# Converting Colors

XYZ(71.9256, 75.2171, 68.4419)

Have a look what the booklet for  
XYZ(71.9256, 75.2171, 68.4419)  
contains.

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# Color

**XYZ(71.9360, 75.3813,  
68.5162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE0CD
RGB	235, 224, 205
RGB Percent	92%, 88%, 80%
CMY	0.0784, 0.1215, 0.1961
CMYK	0.00, 0.05, 0.13, 0.08
HSL	38°, 43%, 86%
HSV	38°, 13%, 92%
XYZ	71.9360, 75.3813, 68.5162
YIQ	225.1230, 12.6550, -3.5770

# Conversions

## Conversions Part 2

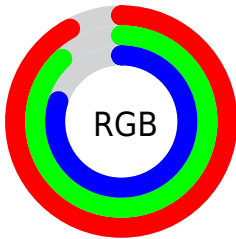
Format	Color
R <sub>Y</sub> B	222, 235, 205
Decimal	15458509
CIE Lab	89.57, 0.61, 10.63
CIE LCh	90, 10.651, 86.719
Yxy	75.3813, 0.3333, 0.3493
Android (android.graphics.Color)	4293648589 (0xFFEBE0CD)
YUV	225.1230, -9.9206, 8.6621
Hunter-Lab	86.8224, -4.0445, 13.9868

# Details

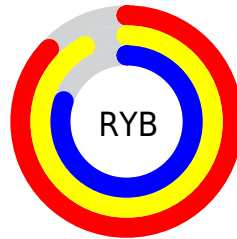
The XYZ color **71.9360, 75.3813, 68.5162** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.7277, 68.0874, 88.3284**, and the grayscale version is **71.7209, 75.4560, 82.1716**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3643, 40.1940, 35.0144** is the 20% darker color. If you saturate the color by 10%, you get **67.0539, 69.8204, 53.9290**, and if you desaturate by 10%, it is **77.3656, 81.3538, 85.3898**.

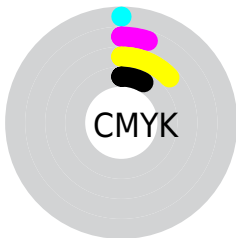
# Distribution



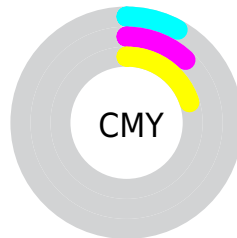
- Red (92%)
- Green (88%)
- Blue (80%)



- Red (87%)
- Yellow (92%)
- Blue (80%)



- Cyan (0%)
- Magenta (5%)
- Yellow (13%)
- Black (8%)



- Cyan (8%)
- Magenta (12%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9360, 75.3813, 68.5162 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 71.9360, 75.3813, 68.5162 by changing the saturation by 10% instead.



71.9360, 75.3813,  
68.5162

71.9360, 75.3813,  
68.5162

456.4799,  
479.2271, 473.9704

53.3917, 55.9253,  
49.8485

120.9768,  
126.8520, 118.7515

38.3443, 40.1431,  
34.9227

152.2040,  
159.6354, 151.1561

26.4284, 27.6501,  
23.3203

188.3896,  
197.6302, 188.9769

17.2788, 18.0621,  
14.6226

229.8988,  
241.2206, 232.6322

10.5300, 10.9946,  
8.4113

277.0971,  
290.7912, 282.5407

5.8167, 6.0632,  
4.2677

330.3498,

2.7735, 2.8835,

346.7261, 339.1209

1.7733

390.0223,  
409.4100, 402.7912

■ 1.0352, 1.0712,  
0.4103

■ 0.0000, 0.0000,  
0.0000

■ 71.9360, 75.3813,  
68.5162

■ 71.9360, 75.3813,  
68.5162

■ 67.0539, 69.8204,  
53.9290

■ 77.3656, 81.3538,  
85.3898

■ 62.6925, 64.6502,  
41.5229

■ 83.3560, 87.7385,  
104.6388

■ 58.8317, 59.8623,  
31.1919

■ 86.4484, 93.1568,  
108.0325

■ 55.4476, 55.4442,  
22.8187

■ 88.0712, 96.4023,  
108.5734

■ 52.5140, 51.3827,  
16.2747

■ 50.0018, 47.6629,  
11.4152

■ 47.8774, 44.2683,  
8.0737

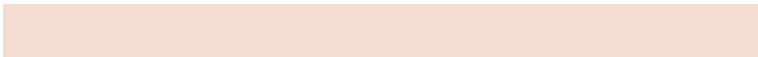
■ 46.1009, 41.1798,  
6.0491

■ 44.9884, 39.1168,  
5.1791

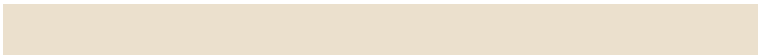
# Harmonies

## Analogous

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



74.4441, 75.3813, 70.6114



71.9360, 75.3813, 68.5162



69.4093, 75.3813, 69.8681

# Triad

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



71.9360, 75.3813, 68.5162



67.2470, 75.3813, 88.7278



75.9365, 75.3813, 90.2409

# Complementary

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



71.9360, 75.3813, 68.5162



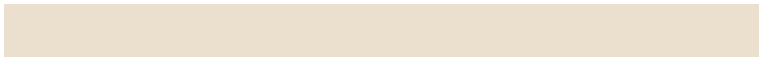
64.7277, 68.0874, 88.3284

# 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.



73.9336, 75.3813, 95.6322



71.9360, 75.3813, 68.5162



68.9221, 75.3813, 94.7220

# Square

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



71.9360, 75.3813, 68.5162



66.7412, 75.3813, 81.2555



71.3601, 75.3813, 97.3195



76.7889, 75.3813, 82.9049

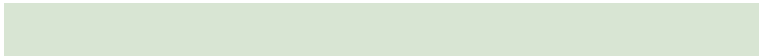


# Rectangle

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



71.9360, 75.3813, 68.5162



68.0470, 75.3813, 72.5900



71.3601, 75.3813, 97.3195



75.3731, 75.3813, 92.3574

# Sweetspot

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



71.9381, 75.3846, 68.5178



92.2699, 96.9983, 100.0856



68.4877, 66.2837, 74.1510



19.6403, 20.6427, 21.0787



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

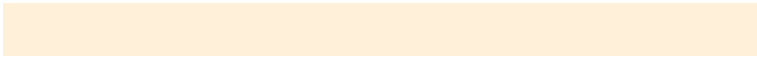


# Same Dimension

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



71.9381, 75.3846, 68.5178



85.1816, 89.1563, 78.1946



73.6834, 80.8139, 69.4738



15.8609, 16.6449, 15.8955



25.1638, 22.0217, 2.9243



2.0671, 1.9116, 0.2600

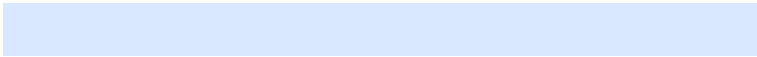


# Inverse Universe

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



64.7277, 68.0874, 88.3284



75.1022, 78.9559, 105.8894



63.1221, 63.2172, 87.4730



14.6833, 15.4529, 19.1311



10.3147, 7.2763, 44.6038

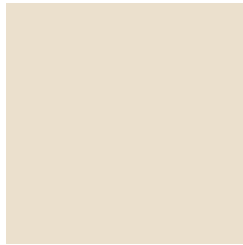


0.8989, 0.7494, 3.5321



# Previews

## White Background



This preview shows how the XYZ color 71.9360, 75.3813, 68.5162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

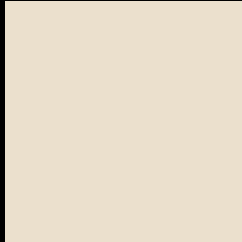
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9360, 75.3813, 68.5162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

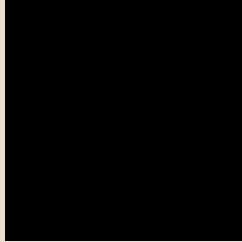
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.9360, 75.3813, 68.5162

## Background



This preview shows how black text looks on a background with the XYZ color 71.9360, 75.3813, 68.5162.



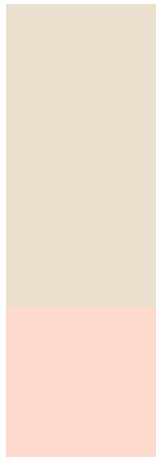
This preview shows how white text looks on a background with the XYZ color 71.9360, 75.3813,



# 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

71.9360, 75.3813, 68.5162

### Protanopia

71.6068, 75.2115, 68.5008

### Deuteranopia

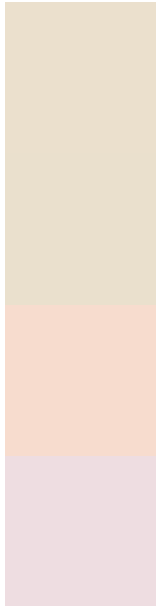
76.8265, 75.1528, 68.8493



## Tritanopia

76.2142, 75.1282, 90.6050

# Trichromacy



## Original Color

71.9360, 75.3813, 68.5162

## Protanomaly

71.6068, 75.2115, 68.5008

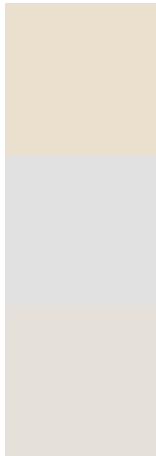
## Deuteranomaly

75.0915, 75.4168, 68.9917

## Tritanomaly

74.7070, 75.3263, 81.8361

# Monochromacy



## Original Color

71.9360, 75.3813, 68.5162

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.8932, 75.5704, 77.1270

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9360, 75.3813, 68.5162 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(235, 224, 205) looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 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(235, 224, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9360, 75.3813, 68.5162 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(235, 224, 205) }
```



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

```
.border{ border-color:rgb(235, 224, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 205);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9360, 75.3813, 68.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 205) }
```

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

```
.background{ background-color: rgb(235,  
224, 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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