

# Converting Colors

XYZ(68.3469, 72.2049, 71.8472)

Have a look what the booklet for  
XYZ(68.3469, 72.2049, 71.8472)  
contains.

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# **Color**

**XYZ(68.3548, 72.2633,  
71.9736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0DDD3
RGB	224, 221, 211
RGB Percent	88%, 87%, 83%
CMY	0.1216, 0.1333, 0.1725
CMYK	0.00, 0.01, 0.06, 0.12
HSL	46°, 17%, 85%
HSV	46°, 6%, 88%
XYZ	68.3548, 72.2633, 71.9736
YIQ	220.7570, 4.9980, -2.4740

# Conversions

## Conversions Part 2

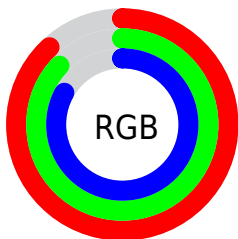
Format	Color
<a href="#">RYB</a>	<a href="#">215, 224, 211</a>
Decimal	<a href="#">14736851</a>
CIELab	<a href="#">88.10, -0.72, 5.25</a>
CIELCh	<a href="#">88, 5.302, 97.785</a>
Yxy	<a href="#">72.2633, 0.3215, 0.3399</a>
Android (android.graphics.Color)	<a href="#">4292926931</a> ( <a href="#">0xFFE0DDD3</a> )
YUV	<a href="#">220.7570, -4.8102, 2.8441</a>
Hunter-Lab	<a href="#">85.0078, -5.2318, 9.3064</a>

# Details

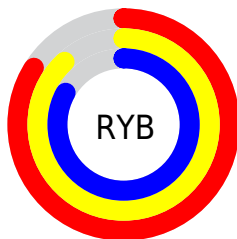
The XYZ color **68.3548, 72.2633, 71.9736** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.3652, 67.3230, 80.1241**, and the grayscale version is **68.5887, 72.1607, 78.5830**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0842, 38.1418, 37.3585** is the 20% darker color. If you saturate the color by 10%, you get **64.3986, 68.5356, 57.7522**, and if you desaturate by 10%, it is **72.7483, 76.2377, 88.2732**.

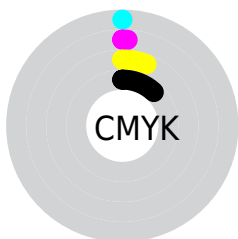
# Distribution



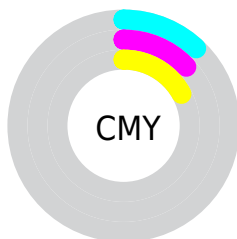
- Red (88%)
- Green (87%)
- Blue (83%)



- Red (84%)
- Yellow (88%)
- Blue (83%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (12%)



- Cyan (12%)
- Magenta (13%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3548, 72.2633, 71.9736 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 68.3548, 72.2633, 71.9736 by changing the saturation by 10% instead.



■ 68.3548, 72.2633,  
71.9736

■ 68.3548, 72.2633,  
71.9736

444.1091,  
468.4575, 486.4248

■ 50.4612, 53.3738,  
52.6504

115.8987,  
122.4308, 123.7264

■ 35.9993, 38.1012,  
37.1380

146.2797,  
154.4776, 156.9930

■ 24.6037, 26.0613,  
25.0177

181.5538,  
191.6789, 195.7446

■ 15.9092, 16.8695,  
15.8711

222.0864,  
234.4192, 240.3996

■ 9.5504, 10.1415,  
9.2796

268.2429,  
283.0828, 291.3765

■ 5.1618, 5.4929,  
4.8247

320.3886,

■ 2.3783, 2.5392,

338.0541, 349.0940

2.0879

378.8889,  
399.7176, 413.9706

■ 0.8343, 0.8962,  
0.6085

■ 0.0000, 0.0000,  
0.0000

■ 68.3548, 72.2633,  
71.9736

■ 68.3548, 72.2633,  
71.9736

■ 64.3986, 68.5356,  
57.7522

■ 72.7483, 76.2377,  
88.2732

■ 60.8572, 65.0379,  
45.5194

■ 77.4593, 80.4044,  
106.0448

■ 57.7151, 61.7659,  
35.1861

■ 78.9284, 83.3425,  
106.5345

■ 54.9534, 58.7112,  
26.6545

■ 80.4405, 86.3667,  
107.0385

■ 52.5514, 55.8651,  
19.8179

■ 81.9959, 89.4776,  
107.5570

■ 50.4864, 53.2178,  
14.5587

■ 83.5950, 92.6758,  
108.0900

■ 48.7328, 50.7584,  
10.7437

■ 84.5509, 94.5875,  
108.4086

■ 47.2607, 48.4744,  
8.2179

■ 46.0335, 46.3505,  
6.7902

# Harmonies

## Analogous

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



69.6088, 72.2633, 72.4016



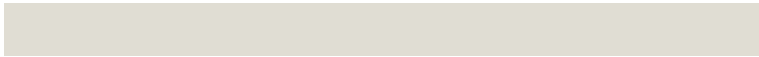
68.3548, 72.2633, 71.9736



67.2030, 72.2633, 73.2990

# Triad

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



68.3548, 72.2633, 71.9736



66.7777, 72.2633, 83.0329



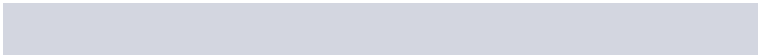
70.9630, 72.2633, 81.3485

# Complementary

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



68.3548, 72.2633, 71.9736



64.3652, 67.3230, 80.1241

# Split Complementary

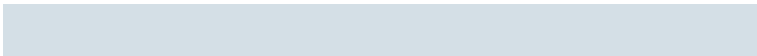
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.1868, 72.2633, 84.3233



68.3548, 72.2633, 71.9736



67.7676, 72.2633, 85.3164

# Square

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



68.3548, 72.2633, 71.9736



66.2998, 72.2633, 79.6308



69.0145, 72.2633, 85.7958



71.1249, 72.2633, 77.7416



# Rectangle

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



68.3548, 72.2633, 71.9736



66.6446, 72.2633, 75.0232



69.0145, 72.2633, 85.7958



70.7648, 72.2633, 82.4588

# Sweetspot

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



68.3568, 72.2664, 71.9752



93.8658, 98.9282, 104.5081



66.1776, 67.2937, 73.1428



20.1036, 21.1860, 22.4150



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

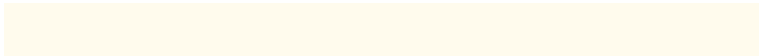


# Same Dimension

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



68.3568, 72.2664, 71.9752



91.0096, 96.3065, 94.0280



68.0914, 73.3144, 72.1914



14.7571, 15.6219, 15.1285



26.6130, 26.6639, 3.7440

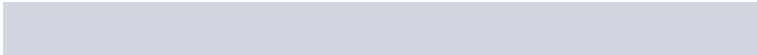


1.9107, 1.9802, 0.2815



# Inverse Universe

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



64.3652, 67.3230, 80.1241



84.5586, 88.3173, 107.1980



64.6178, 66.3380, 79.9207



13.6365, 14.2340, 17.4164



8.6090, 4.6876, 41.4994

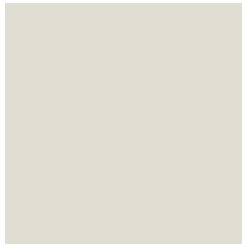


0.6644, 0.4603, 2.8991



# Previews

## White Background



This preview shows how the XYZ color 68.3548, 72.2633, 71.9736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

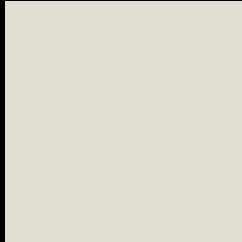
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.3548, 72.2633, 71.9736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

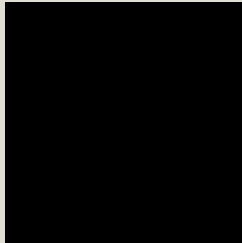
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

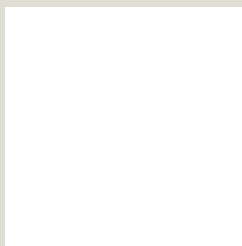
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.3548, 72.2633, 71.9736**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3548, 72.2633, 71.9736.



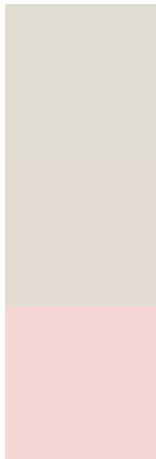
This preview shows how white text looks on a background with the XYZ color 68.3548, 72.2633,



# 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

68.3548, 72.2633, 71.9736

### Protanopia

68.9046, 72.1704, 71.2714

### Deuteranopia

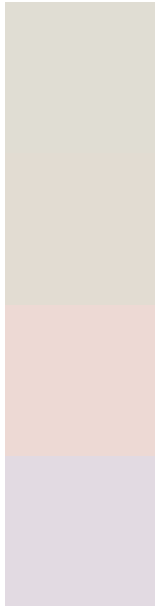
73.5864, 72.2591, 72.3563



## Tritanopia

71.4868, 71.9548, 88.7182

# Trichromacy



## Original Color

68.3548, 72.2633, 71.9736

## Protanomaly

68.5901, 72.0083, 71.2567

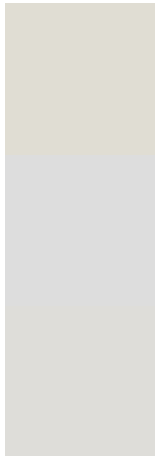
## Deuteranomaly

71.6216, 72.3837, 72.4839

## Tritanomaly

70.1629, 71.8025, 82.1128

# Monochromacy



## Original Color

68.3548, 72.2633, 71.9736

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.5050, 72.2523, 75.9811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3548, 72.2633, 71.9736 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(224, 221, 211) looks like.

```
.text, #text, p{  
    color:rgb(224, 221, 211)  
}
```

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(224, 221, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 221, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3548, 72.2633, 71.9736 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(224, 221, 211) }
```



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

```
.border{ border-color:rgb(224, 221, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 221, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 221, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 221, 211);  
box-shadow:4px 4px 4px 4px rgb(224, 221,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3548, 72.2633, 71.9736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 221, 211) }
```

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

```
.background{ background-color: rgb(224,  
221, 211) }
```

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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