

# Converting Colors

XYZ(71.2219, 74.5258, 70.7855)

Have a look what the booklet for  
XYZ(71.2219, 74.5258, 70.7855)  
contains.

<b>XYZ(71.1750, 74.5346, 70.9569)</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(71.1750, 74.5346,  
70.9569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8DFD1
RGB	232, 223, 209
RGB Percent	91%, 87%, 82%
CMY	0.0902, 0.1255, 0.1804
CMYK	0.00, 0.04, 0.10, 0.09
HSL	37°, 33%, 86%
HSV	37°, 10%, 91%
XYZ	71.1750, 74.5346, 70.9569
YIQ	224.0950, 9.8580, -2.4460

# Conversions

## Conversions Part 2

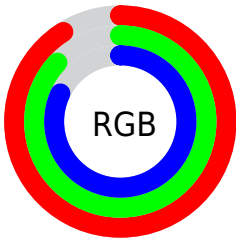
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">224, 232, 209</a>
Decimal	<a href="#">15261649</a>
CIELab	<a href="#">89.17, 0.71, 7.94</a>
CIElCh	<a href="#">89, 7.970, 84.909</a>
Yxy	<a href="#">74.5346, 0.3285, 0.3440</a>
Android (android.graphics.Color)	<a href="#">4293451729</a> ( <a href="#">0xFFE8DFD1</a> )
YUV	<a href="#">224.0950, -7.4418, 6.9327</a>
Hunter-Lab	<a href="#">86.3334, -3.9245, 11.7033</a>

# Details

The XYZ color **71.1750, 74.5346, 70.9569** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.9312, 69.5231, 86.2890**, and the grayscale version is **70.9678, 74.6636, 81.3087**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8235, 39.6019, 36.6608** is the 20% darker color. If you saturate the color by 10%, you get **66.1502, 68.7513, 56.1277**, and if you desaturate by 10%, it is **76.7522, 80.7516, 88.0356**.

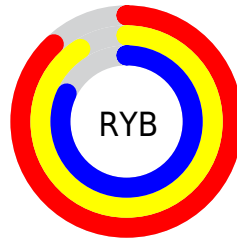
# Distribution



Red (91%)

Green (87%)

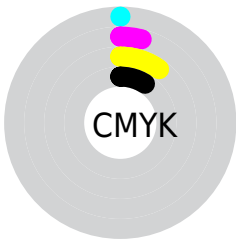
Blue (82%)



Red (88%)

Yellow (91%)

Blue (82%)

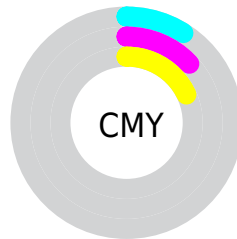


Cyan (0%)

Magenta (4%)

Yellow (10%)

Black (9%)



Cyan (9%)

Magenta (13%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1750, 74.5346, 70.9569 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 71.1750, 74.5346, 70.9569 by changing the saturation by 10% instead.



■ 71.1750, 74.5346,  
70.9569

■ 71.1750, 74.5346,  
70.9569

453.8673,  
476.3164, 482.7824

■ 52.7681, 55.2317,  
51.8254

119.9000,  
125.6533, 122.2662

■ 37.8444, 39.5873,  
36.4846

150.9488,  
158.2380, 155.2812

■ 26.0386, 27.2169,  
24.5161

186.9423,  
196.0187, 193.7610

■ 16.9854, 17.7362,  
15.5012

228.2458,  
239.3798, 238.1242

■ 10.3193, 10.7607,  
9.0213

275.2247,  
288.7057, 288.7894

■ 5.6751, 5.9062,  
4.6581

328.2444,

■ 2.6873, 2.7881,

344.3809, 346.1752

1.9929

387.6701,  
406.7896, 410.7000

■ 0.9906, 1.0221,  
0.5509

■ 0.0000, 0.0000,  
0.0000

■ 71.1750, 74.5346,  
70.9569

■ 71.1750, 74.5346,  
70.9569

■ 66.1502, 68.7513,  
56.1277

■ 76.7522, 80.7516,  
88.0356

■ 61.6516, 63.3807,  
43.4477

■ 82.8298, 87.3774,  
107.1077

■ 57.6599, 58.4143,  
32.8162

■ 85.5853, 92.8885,  
108.0262

■ 54.1520, 53.8394,  
24.1224

■ 87.0890, 95.8960,  
108.5274

■ 51.1030, 49.6425,  
17.2447

■ 48.4849, 45.8090,  
12.0481

■ 46.2664, 42.3226,  
8.3779

■ 44.4104, 39.1647,  
6.0507

■ 42.8553, 36.3068,  
4.7550

# Harmonies

## Analogous

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



73.0126, 74.5346, 72.7110



71.1750, 74.5346, 70.9569



69.2809, 74.5346, 71.8320

# Triad

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



71.1750, 74.5346, 70.9569



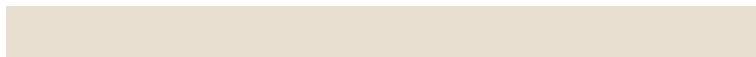
67.5079, 74.5346, 85.7463



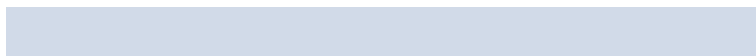
73.9443, 74.5346, 87.4638

# Complementary

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



71.1750, 74.5346, 70.9569



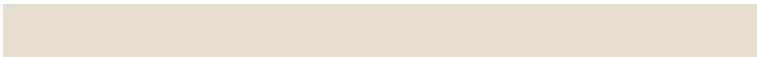
65.9312, 69.5231, 86.2890

# 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.



72.4282, 74.5346, 91.2528



71.1750, 74.5346, 70.9569



68.7166, 74.5346, 90.2298

# Square

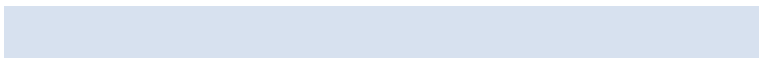
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1750, 74.5346, 70.9569



67.1861, 74.5346, 80.2096



70.5118, 74.5346, 92.2873



74.6301, 74.5346, 82.1088



# Rectangle

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



71.1750, 74.5346, 70.9569



68.2377, 74.5346, 73.8104



70.5118, 74.5346, 92.2873



73.5136, 74.5346, 88.9724

# Sweetspot

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



71.1770, 74.5379, 70.9585



92.8955, 97.6229, 102.2261



68.7612, 67.8302, 75.9364



19.7625, 20.7611, 21.5083



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

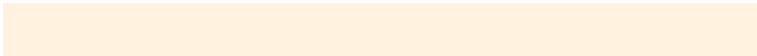


# Same Dimension

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



71.1770, 74.5379, 70.9585



86.8090, 90.7838, 83.7535



72.9030, 79.0909, 71.7464



15.1036, 15.8212, 15.1622



23.9103, 20.3947, 2.6764



1.8566, 1.6866, 0.2277



# Inverse Universe

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



65.9312, 69.5231, 86.2890



79.0161, 83.3344, 106.5283



64.3170, 65.3215, 85.5631



14.0429, 14.8071, 18.2623



10.2647, 7.5915, 43.3075

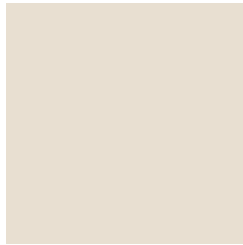


0.8468, 0.7375, 3.2297



# Previews

## White Background



This preview shows how the XYZ color 71.1750, 74.5346, 70.9569 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 71.1750, 74.5346, 70.9569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

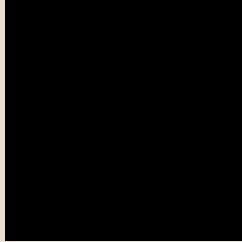
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

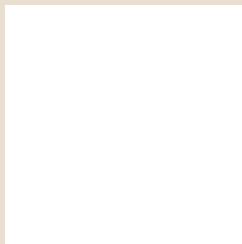
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.1750, 74.5346, 70.9569**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1750, 74.5346, 70.9569.



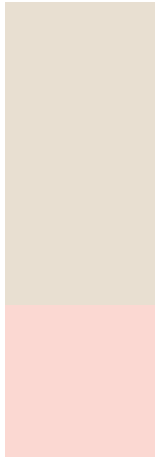
This preview shows how white text looks on a background with the XYZ color 71.1750, 74.5346,



# 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

71.1750, 74.5346, 70.9569

### Protanopia

71.1750, 74.5346, 70.9569

### Deuteranopia

75.9724, 74.2741, 71.3049



## Tritanopia

75.0639, 74.5520, 89.7906

# Trichromacy



## Original Color

71.1750, 74.5346, 70.9569

## Protanomaly

71.1750, 74.5346, 70.9569

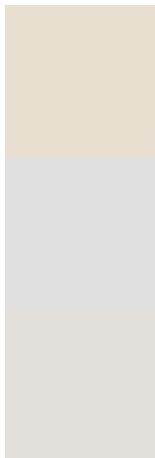
## Deuteranomaly

74.2726, 74.5493, 71.4476

## Tritanomaly

73.5816, 74.3396, 82.4223

# Monochromacy



## Original Color

71.1750, 74.5346, 70.9569

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.1204, 74.7567, 77.6989

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1750, 74.5346, 70.9569 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, 223, 209) looks like.

```
.text, #text, p{  
    color:rgb(232, 223, 209)  
}
```

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, 223, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 223, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1750, 74.5346, 70.9569 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, 223, 209) }
```



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

```
.border{ border-color:rgb(232, 223, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 223, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 223, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 223, 209);  
box-shadow:4px 4px 4px 4px rgb(232, 223,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1750, 74.5346, 70.9569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 223, 209) }
```

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

```
.background{ background-color: rgb(232,  
223, 209) }
```

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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