

# Converting Colors

XYZ(70.3732, 73.2894, 72.7245)

Have a look what the booklet for  
XYZ(70.3732, 73.2894, 72.7245)  
contains.

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# Color

**XYZ(70.3732, 73.2894,  
72.7245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6DDD4
RGB	230, 221, 212
RGB Percent	90%, 87%, 83%
CMY	0.0980, 0.1333, 0.1686
CMYK	0.00, 0.04, 0.08, 0.10
HSL	30°, 26%, 87%
HSV	30°, 8%, 90%
XYZ	70.3732, 73.2894, 72.7245
YIQ	222.6650, 8.2530, -0.8910

# Conversions

## Conversions Part 2

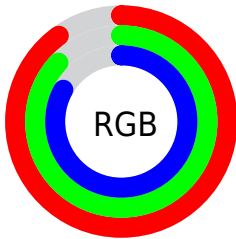
Format	Color
R <sub>Y</sub> B	230, 230, 212
Decimal	15130068
CIE Lab	88.59, 1.53, 5.49
CIE LCh	89, 5.705, 74.396
Yxy	73.2894, 0.3252, 0.3387
Android (android.graphics.Color)	4293320148 (0xFFE6DDD4)
YUV	222.6650, -5.2578, 6.4328
Hunter-Lab	85.6092, -3.0841, 9.5600

# Details

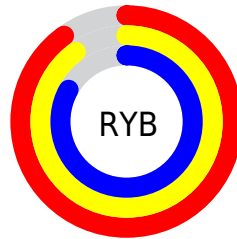
The XYZ color **70.3732, 73.2894, 72.7245** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2905, 71.4217, 85.1027**, and the grayscale version is **69.9353, 73.5774, 80.1258**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1776, 38.7054, 37.4097** is the 20% darker color. If you saturate the color by 10%, you get **64.7450, 66.3496, 57.5393**, and if you desaturate by 10%, it is **76.6266, 80.8165, 90.1590**.

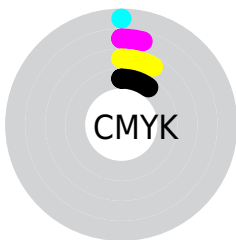
# Distribution



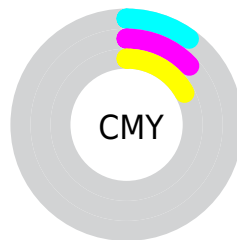
- Red (90%)
- Green (87%)
- Blue (83%)



- Red (90%)
- Yellow (90%)
- Blue (83%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (10%)



- Cyan (10%)
- Magenta (13%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3732, 73.2894, 72.7245 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 70.3732, 73.2894, 72.7245 by changing the saturation by 10% instead.



70.3732, 73.2894,  
72.7245

70.3732, 73.2894,  
72.7245

451.1053,  
472.0172, 489.1046

52.1115, 54.2126,  
53.2603

118.7642,  
123.8880, 124.8033

37.3186, 38.7717,  
37.6214

149.6242,  
156.1786, 158.2550

25.6291, 26.5822,  
25.3895

185.4144,  
193.6425, 197.2062

16.6776, 17.2597,  
16.1458

226.5001,  
236.6643, 242.0755

10.0988, 10.4198,  
9.4719

273.2467,  
285.6283, 293.2815

5.5273, 5.6782,  
4.9493

326.0195,

2.5977, 2.6504,

340.9188, 351.2426

2.1593

385.1839,  
402.9203, 416.3775

■ 0.9448, 0.9521,  
0.6507

■ 0.0000, 0.0000,  
0.0000

■ 70.3732, 73.2894,  
72.7245

■ 70.3732, 73.2894,  
72.7245

■ 64.7450, 66.3496,  
57.5393

■ 76.6266, 80.8165,  
90.1590

■ 59.7145, 59.9724,  
44.5056

■ 83.0324, 88.7411,  
107.3602

■ 55.2607, 54.1449,  
33.5256

■ 86.4434, 95.5631,  
108.4972

■ 51.3592, 48.8503,  
24.4918

■ 47.9834, 44.0707,  
17.2870

■ 45.1042, 39.7870,  
11.7812

■ 42.6890, 35.9782,  
7.8266

■ 40.7001, 32.6210,  
5.2500

■ 39.0872, 29.6869,  
3.8136

# Harmonies

## Analogous

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



71.5663, 73.2894, 74.6170



70.3732, 73.2894, 72.7245



69.0039, 73.2894, 72.6857

# Triad

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



70.3732, 73.2894, 72.7245



67.1289, 73.2894, 81.6977



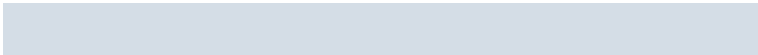
71.5261, 73.2894, 85.3350

# Complementary

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



70.3732, 73.2894, 72.7245



67.2905, 71.4217, 85.1027

# 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.



70.3190, 73.2894, 87.3634



70.3732, 73.2894, 72.7245



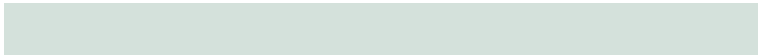
67.7867, 73.2894, 85.2170

# Square

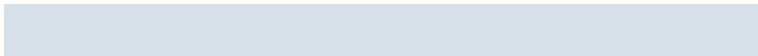
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3732, 73.2894, 72.7245



67.1430, 73.2894, 77.7796



68.9504, 73.2894, 87.3195



72.2378, 73.2894, 81.8545



# Rectangle

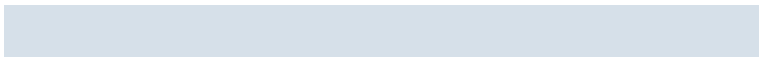
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3732, 73.2894, 72.7245



68.1760, 73.2894, 73.7114



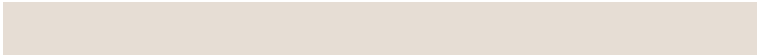
68.9504, 73.2894, 87.3195



71.1641, 73.2894, 86.2143

# Sweetspot

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



70.3752, 73.2926, 72.7261



93.4319, 98.0604, 104.3635



69.2286, 69.1314, 78.1024



20.0153, 21.0094, 22.3856



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

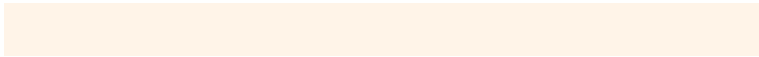


# Same Dimension

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



70.3752, 73.2926, 72.7261



88.0223, 91.5084, 89.4048



72.8143, 78.1708, 73.5391



14.9697, 15.5533, 15.1175



22.0720, 16.7181, 2.0636



1.7239, 1.4212, 0.1835

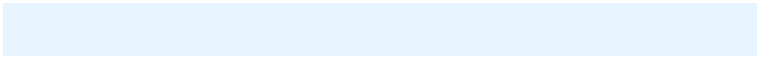


# Inverse Universe

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



67.2905, 71.4217, 85.1027



83.5512, 88.7966, 107.3436



64.9787, 66.7982, 84.3322



14.1749, 15.0712, 18.3063



11.6757, 10.4135, 43.7778

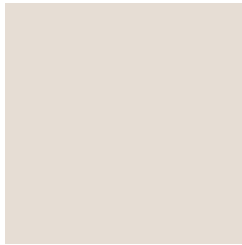


0.9557, 0.9553, 3.2660



# Previews

## White Background



This preview shows how the XYZ color 70.3732, 73.2894, 72.7245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

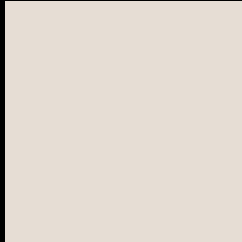
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3732, 73.2894, 72.7245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

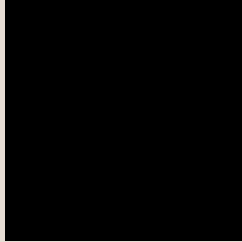
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

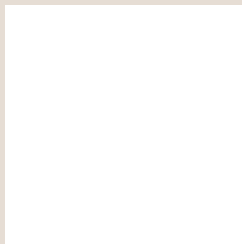
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.3732, 73.2894, 72.7245**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.3732, 73.2894, 72.7245.



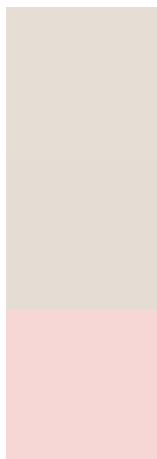
This preview shows how white text looks on a background with the XYZ color 70.3732, 73.2894,

72.7245.

# 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

70.3732, 73.2894, 72.7245

### Protanopia

70.0532, 73.1244, 72.7096

### Deuteranopia

74.6685, 73.1791, 73.1403



## Tritanopia

73.6711, 73.4646, 88.8945

# Trichromacy



## Original Color

70.3732, 73.2894, 72.7245

## Protanomaly

70.0532, 73.1244, 72.7096

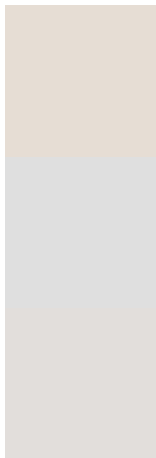
## Deuteranomaly

73.0987, 73.1306, 73.2137

## Tritanomaly

72.4754, 73.3649, 83.0140

# Monochromacy



## Original Color

70.3732, 73.2894, 72.7245

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.2715, 73.5258, 77.5060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3732, 73.2894, 72.7245 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(230, 221, 212) looks like.

```
.text, #text, p{  
    color:rgb(230, 221, 212)  
}
```

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(230, 221, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 221, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3732, 73.2894, 72.7245 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(230, 221, 212) }
```



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

```
.border{ border-color:rgb(230, 221, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 221, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 221, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 221, 212);  
box-shadow:4px 4px 4px 4px rgb(230, 221,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3732, 73.2894, 72.7245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 221, 212) }
```

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

```
.background{ background-color: rgb(230,  
221, 212) }
```

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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