

# Converting Colors

XYZ(72.2800, 72.7392, 72.7589)

Have a look what the booklet for  
XYZ(72.2800, 72.7392, 72.7589)  
contains.

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# Color

**XYZ(72.2931, 72.7299,  
72.5154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFD9D4
RGB	239, 217, 212
RGB Percent	94%, 85%, 83%
CMY	0.0627, 0.1490, 0.1686
CMYK	0.00, 0.09, 0.11, 0.06
HSL	11°, 46%, 88%
HSV	11°, 11%, 94%
XYZ	72.2931, 72.7299, 72.5154
YIQ	223.0080, 14.7170, 3.1090

# Conversions

## Conversions Part 2

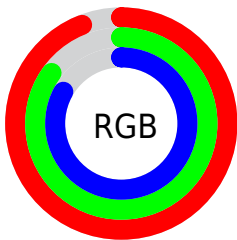
Format	Color
R <sub>Y</sub> B	239, 218, 212
Decimal	15718868
CIE Lab	88.32, 6.76, 5.20
CIE LCh	88, 8.531, 37.577
Yxy	72.7299, 0.3323, 0.3343
Android (android.graphics.Color)	4293908948 (0xFFEFD9D4)
YUV	223.0080, -5.4269, 14.0250
Hunter-Lab	85.2818, 2.0706, 9.2828

# Details

The XYZ color **72.2931, 72.7299, 72.5154** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.1538, 79.0731, 93.1218**, and the grayscale version is **70.1766, 73.8313, 80.4023**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5346, 38.3423, 37.2681** is the 20% darker color. If you saturate the color by 10%, you get **64.7730, 62.1622, 56.2190**, and if you desaturate by 10%, it is **80.8557, 84.6667, 91.3628**.

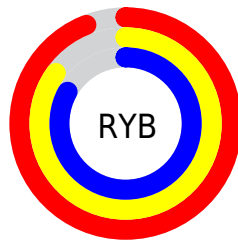
# Distribution



Red (94%)

Green (85%)

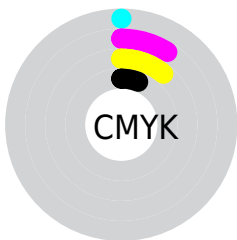
Blue (83%)



Red (94%)

Yellow (85%)

Blue (83%)

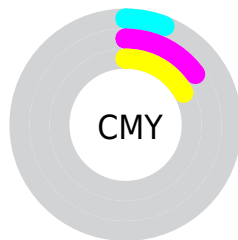


Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (6%)



Cyan (6%)

Magenta (15%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2931, 72.7299, 72.5154 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 72.2931, 72.7299, 72.5154 by changing the saturation by 10% instead.



72.2931, 72.7299,  
72.5154

72.2931, 72.7299,  
72.5154

457.7029,  
470.0782, 488.3592

53.6845, 53.7551,  
53.0904

121.4817,  
123.0937, 124.5035

38.5791, 38.4059,  
37.4867

152.7924,  
155.2515, 157.9038

26.6117, 26.2979,  
25.2858

189.0678,  
192.5725, 196.7995

17.4169, 17.0466,  
16.0692

230.6732,  
235.4410, 241.6092

10.6293, 10.2677,  
9.4182

277.9741,  
284.2414, 292.7515

5.8836, 5.5768,  
4.9145

331.3358,

2.8144, 2.5895,

339.3581, 350.6449

2.1393

391.1236,  
401.1756, 415.7080

■ 1.0564, 0.9214,  
0.6390

■ 0.0000, 0.0000,  
0.0000

■ 72.2931, 72.7299,  
72.5154

■ 72.2931, 72.7299,  
72.5154

■ 64.7730, 62.1622,  
56.2190

■ 80.8557, 84.6667,  
91.3628

■ 58.2493, 52.9052,  
42.3591

■ 89.4069, 97.0909,  
108.6359

■ 52.6814, 44.9104,  
30.8196

■ 48.0233, 38.1225,  
21.4729

■ 44.2256, 32.4823,  
14.1792

■ 41.2336, 27.9253,  
8.7824

■ 38.9860, 24.3804,  
5.1036

■ 37.4122, 21.7678,  
2.9296

■ 36.5087, 20.1745,  
1.9698

# Harmonies

## Analogous

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



73.1017, 72.7299, 77.7139



72.2931, 72.7299, 72.5154



70.6393, 72.7299, 69.2239

# Triad

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



72.2931, 72.7299, 72.5154



65.5538, 72.7299, 74.9695



69.6477, 72.7299, 90.8942

# Complementary

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



72.2931, 72.7299, 72.5154



72.1538, 79.0731, 93.1218

# 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.



67.6376, 72.7299, 90.0706



72.2931, 72.7299, 72.5154



65.3001, 72.7299, 80.6857

# Square

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



72.2931, 72.7299, 72.5154



66.7558, 72.7299, 70.5912



66.0559, 72.7299, 86.2631



71.5549, 72.7299, 88.4613



# Rectangle

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



72.2931, 72.7299, 72.5154



69.2941, 72.7299, 68.4570



66.0559, 72.7299, 86.2631



68.9614, 72.7299, 90.9911

# Sweetspot

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



72.2951, 72.7331, 72.5169



91.8866, 95.6050, 101.8898



73.9994, 71.3821, 87.7583



19.4906, 20.2173, 21.4176



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

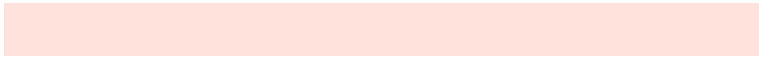


# Same Dimension

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



72.2951, 72.7331, 72.5169



81.2395, 80.7378, 78.5273



75.9033, 79.9495, 73.7197



16.0098, 16.2327, 16.4391



20.2443, 11.2868, 1.1116



1.7494, 1.0694, 0.1142

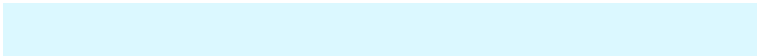


# Inverse Universe

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



72.1538, 79.0731, 93.1218



81.0391, 89.6973, 107.6498



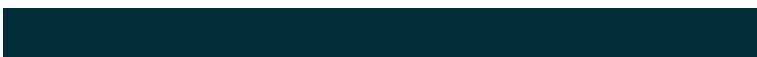
68.4701, 71.7056, 91.8938



15.9838, 17.4017, 20.2380



19.4478, 25.1198, 48.9515

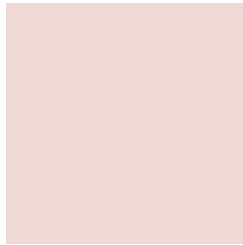


1.6817, 2.2173, 4.0936



# Previews

## White Background



This preview shows how the XYZ color 72.2931, 72.7299, 72.5154 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

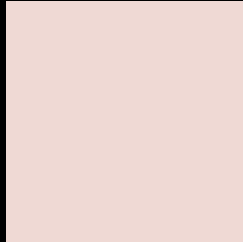
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2931, 72.7299, 72.5154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

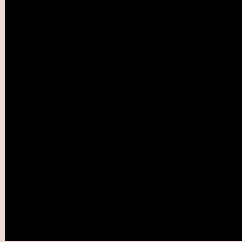
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

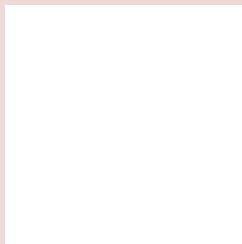
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.2931, 72.7299, 72.5154

## Background



This preview shows how black text looks on a background with the XYZ color 72.2931, 72.7299, 72.5154.



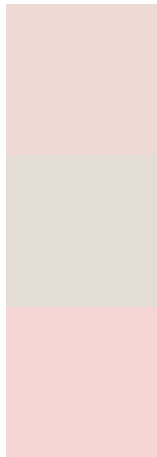
This preview shows how white text looks on a background with the XYZ color 72.2931, 72.7299,

72.5154.

# 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

72.2931, 72.7299, 72.5154

### Protanopia

69.6726, 72.8988, 74.0171

### Deuteranopia

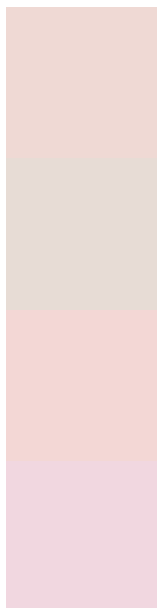
74.0628, 72.4901, 73.0392



## Tritanopia

75.0883, 72.7399, 85.6839

# Trichromacy



## Original Color

72.2931, 72.7299, 72.5154

## Protanomaly

70.5584, 72.9794, 73.3184

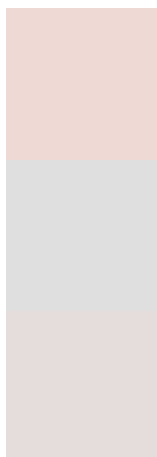
## Deuteranomaly

73.2728, 72.4597, 73.0750

## Tritanomaly

74.0306, 72.6835, 80.6485

# Monochromacy



## Original Color

72.2931, 72.7299, 72.5154

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.9557, 73.4854, 77.4622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2931, 72.7299, 72.5154 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(239, 217, 212) looks like.

```
.text, #text, p{  
    color:rgb(239, 217, 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(239, 217, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 217, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2931, 72.7299, 72.5154 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(239, 217, 212) }
```



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

```
.border{ border-color:rgb(239, 217, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 217, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 217, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 217, 212);  
box-shadow:4px 4px 4px 4px rgb(239, 217,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2931, 72.7299, 72.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 217, 212) }
```

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

```
.background{ background-color: rgb(239,  
217, 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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