

# Converting Colors

XYZ(72.0433, 75.9322, 64.2854)

Have a look what the booklet for  
XYZ(72.0433, 75.9322, 64.2854)  
contains.

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# Color

**XYZ(72.0433, 75.9322,  
64.2854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDE1C6
RGB	237, 225, 198
RGB Percent	93%, 88%, 78%
CMY	0.0706, 0.1176, 0.2235
CMYK	0.00, 0.05, 0.16, 0.07
HSL	42°, 52%, 85%
HSV	42°, 16%, 93%
XYZ	72.0433, 75.9322, 64.2854
YIQ	225.5100, 15.8190, -5.8530

# Conversions

## Conversions Part 2

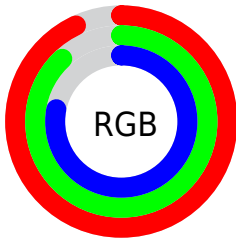
Format	Color
R <sub>Y</sub> B	215, 237, 198
Decimal	15589830
CIE Lab	89.83, -0.27, 14.68
CIE LCh	90, 14.682, 91.053
Yxy	75.9322, 0.3394, 0.3577
Android (android.graphics.Color)	4293779910 (0xFFEDE1C6)
YUV	225.5100, -13.5624, 10.0767
Hunter-Lab	87.1391, -4.9163, 17.2572

# Details

The XYZ color **72.0433, 75.9322, 64.2854** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.6211, 64.2119, 89.2676**, and the grayscale version is **72.0235, 75.7743, 82.5183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4648, 40.5868, 32.1923** is the 20% darker color. If you saturate the color by 10%, you get **67.5927, 71.0684, 50.3539**, and if you desaturate by 10%, it is **77.0099, 81.1422, 80.5011**.

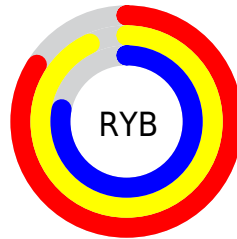
# Distribution



Red (93%)

Green (88%)

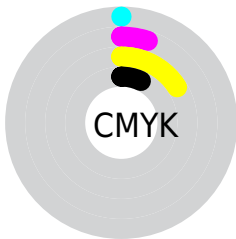
Blue (78%)



Red (84%)

Yellow (93%)

Blue (78%)

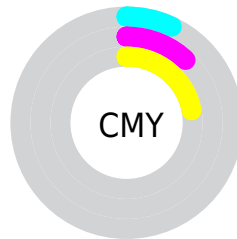


Cyan (0%)

Magenta (5%)

Yellow (16%)

Black (7%)



Cyan (7%)

Magenta (12%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0433, 75.9322, 64.2854 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 72.0433, 75.9322, 64.2854 by changing the saturation by 10% instead.



■ 72.0433, 75.9322,  
64.2854

■ 72.0433, 75.9322,  
64.2854

456.8476,  
481.1156, 458.4553

■ 53.4796, 56.3769,  
46.4342

121.1286,  
127.6311, 112.6253

■ 38.4148, 40.5052,  
32.2375

152.3809,  
160.5434, 143.9510

■ 26.4835, 27.9327,  
21.2766

188.5934,  
198.6769, 180.6054

■ 17.3202, 18.2749,  
13.1331

230.1316,  
242.4160, 223.0069

■ 10.5598, 11.1475,  
7.3885

277.3608,  
292.1450, 271.5741

■ 5.8368, 6.1662,  
3.6241

330.6462,

■ 2.7858, 2.9464,

348.2483, 326.7256

1.4215

390.3534,  
411.1104, 388.8798

■ 1.0415, 1.1038,  
0.1584

■ 0.0000, 0.0000,  
0.0000

■ 72.0433, 75.9322,  
64.2854

■ 72.0433, 75.9322,  
64.2854

■ 67.5927, 71.0684,  
50.3539

■ 77.0099, 81.1422,  
80.5011

■ 63.6311, 66.5305,  
38.5968

■ 82.5061, 86.6977,  
99.0941

■ 60.1382, 62.3114,  
28.9028

■ 86.1975, 91.6691,  
107.7585

■ 57.0894, 58.3996,  
21.1484

■ 88.4689, 96.2119,  
108.5157

■ 54.4578, 54.7824,  
15.1970

■ 88.7353, 96.7446,  
108.6045

■ 52.2131, 51.4459,  
10.8941

■ 50.3197, 48.3741,  
8.0587

■ 48.7335, 45.5475,  
6.4643

■ 48.2199, 44.5940,  
6.0660

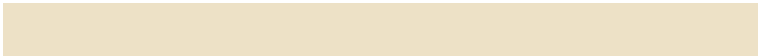
# Harmonies

## Analogous

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



75.5969, 75.9322, 66.4139



72.0433, 75.9322, 64.2854



68.6360, 75.9322, 66.7313

# Triad

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



72.0433, 75.9322, 64.2854



66.3645, 75.9322, 93.4051



78.4426, 75.9322, 92.7178

# Complementary

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



72.0433, 75.9322, 64.2854



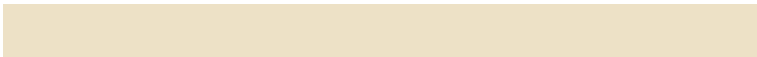
61.6211, 64.2119, 89.2676

# Split Complementary

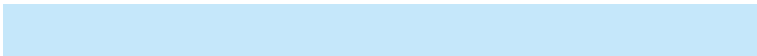
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8259, 75.9322, 100.9803



72.0433, 75.9322, 64.2854



68.8507, 75.9322, 101.3999

# Square

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



72.0433, 75.9322, 64.2854



65.4257, 75.9322, 83.0445



72.2994, 75.9322, 104.2797



79.3653, 75.9322, 82.3111



# Rectangle

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



72.0433, 75.9322, 64.2854



66.8862, 75.9322, 70.7558



72.2994, 75.9322, 104.2797



77.7277, 75.9322, 95.8678

# Sweetspot

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



72.0453, 75.9356, 64.2870



91.8263, 96.7293, 98.0323



66.7965, 63.0643, 69.8547



19.5604, 20.6075, 20.6683



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.



72.0453, 75.9356, 64.2870



83.0976, 87.5367, 69.6433



73.0629, 81.4444, 65.2967



15.9384, 16.7997, 15.9213



26.4477, 24.5897, 3.3523



2.1613, 2.1000, 0.2914



# Inverse Universe

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



61.6211, 64.2119, 89.2676



68.4627, 71.0790, 104.7190



60.6993, 59.5042, 88.4075



14.6091, 15.3046, 19.1063



9.7446, 6.1361, 44.4138

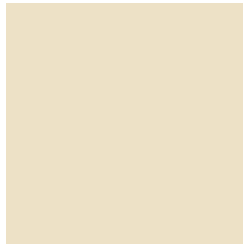


0.8477, 0.6468, 3.5150



# Previews

## White Background



This preview shows how the XYZ color 72.0433, 75.9322, 64.2854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

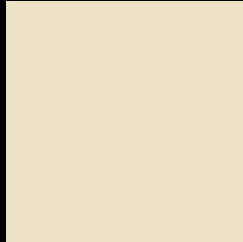
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0433, 75.9322, 64.2854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

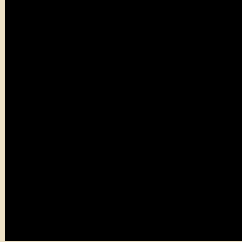
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

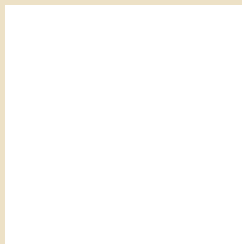
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.0433, 75.9322, 64.2854**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0433, 75.9322, 64.2854.



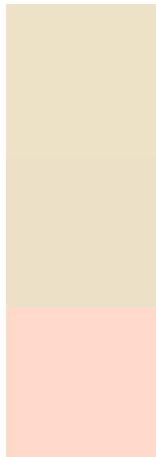
This preview shows how white text looks on a background with the XYZ color 72.0433, 75.9322,

64.2854.

# 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

72.0433, 75.9322, 64.2854

### Protanopia

71.7103, 75.7605, 64.2698

### Deuteranopia

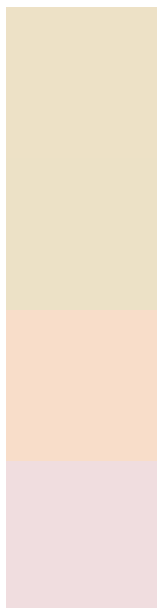
76.9721, 75.6671, 66.4255



## Tritanopia

77.2355, 75.6547, 90.6528

# Trichromacy



## Original Color

72.0433, 75.9322, 64.2854

## Protanomaly

71.7103, 75.7605, 64.2698

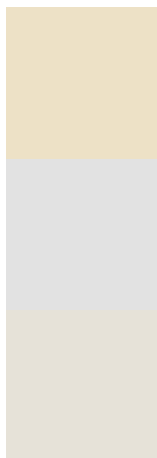
## Deuteranomaly

75.1105, 75.8864, 65.9471

## Tritanomaly

75.1109, 75.5659, 80.4389

# Monochromacy



## Original Color

72.0433, 75.9322, 64.2854

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.2242, 76.1736, 75.8621

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0433, 75.9322, 64.2854 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(237, 225, 198)` looks like.

```
.text, #text, p{  
    color:rgb(237, 225, 198)  
}
```

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(237, 225, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 225, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0433, 75.9322, 64.2854 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(237, 225, 198) }
```



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

```
.border{ border-color:rgb(237, 225, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 225, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 225, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 225, 198); box-shadow:4px 4px 4px 4px rgb(237, 225, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0433, 75.9322, 64.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 225, 198) }
```

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

```
.background{ background-color: rgb(237,  
225, 198) }
```

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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