

# Converting Colors

XYZ(72.7060, 75.9146, 74.6949)

Have a look what the booklet for  
XYZ(72.7060, 75.9146, 74.6949)  
contains.

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# Color

**XYZ(72.6671, 76.0291,  
74.4634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E1D6
RGB	233, 225, 214
RGB Percent	91%, 88%, 84%
CMY	0.0863, 0.1176, 0.1608
CMYK	0.00, 0.03, 0.08, 0.09
HSL	35°, 30%, 88%
HSV	35°, 8%, 91%
XYZ	72.6671, 76.0291, 74.4634
YIQ	226.1380, 8.2990, -1.7250

# Conversions

## Conversions Part 2

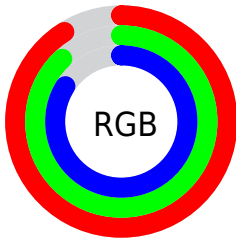
Format	Color
R <sub>Y</sub> B	228, 233, 214
Decimal	15327702
CIE Lab	89.87, 0.85, 6.33
CIE LCh	90, 6.389, 82.370
Yxy	76.0291, 0.3256, 0.3407
Android (android.graphics.Color)	4293517782 (0xFFE9E1D6)
YUV	226.1380, -5.9840, 6.0180
Hunter-Lab	87.1947, -3.8307, 10.4032

# Details

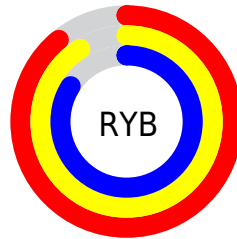
The XYZ color **72.6671, 76.0291, 74.4634** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.5607, 72.4207, 87.4568**, and the grayscale version is **72.4280, 76.1999, 82.9817**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7642, 40.5998, 38.5943** is the 20% darker color. If you saturate the color by 10%, you get **67.3273, 69.7752, 59.0376**, and if you desaturate by 10%, it is **78.5891, 82.7644, 92.1851**.

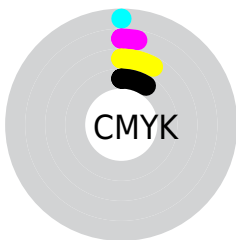
# Distribution



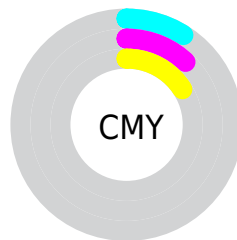
- Red (91%)
- Green (88%)
- Blue (84%)



- Red (89%)
- Yellow (91%)
- Blue (84%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (9%)



- Cyan (9%)
- Magenta (12%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6671, 76.0291, 74.4634 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 72.6671, 76.0291, 74.4634 by changing the saturation by 10% instead.



■ 72.6671, 76.0291,  
74.4634

■ 72.6671, 76.0291,  
74.4634

458.9819,  
481.4473, 495.2773

■ 53.9912, 56.4564,  
54.6743

122.0102,  
127.7680, 127.2926

■ 38.8253, 40.5689,  
38.7442

153.4081,  
160.7030, 161.1698

■ 26.8039, 27.9824,  
26.2545

189.7774,  
198.8609, 200.5801

■ 17.5619, 18.3124,  
16.7866

231.4834,  
242.6261, 245.9421

■ 10.7337, 11.1745,  
9.9221

278.8915,  
292.3829, 297.6742

■ 5.9540, 6.1843,  
5.2424

332.3670,

■ 2.8575, 2.9575,

348.5158, 356.1951

2.3290

392.2754,  
411.4091, 421.9233

■ 1.0789, 1.1096,  
0.7474

■ 0.0073, 0.0000,  
0.0000

■ 72.6671, 76.0291,  
74.4634

■ 72.6671, 76.0291,  
74.4634

■ 67.3273, 69.7752,  
59.0376

■ 78.5891, 82.7644,  
92.1851

■ 62.5428, 63.9805,  
45.8072

■ 84.1911, 89.6168,  
107.4682

■ 58.2939, 58.6355,  
34.6715

■ 87.2305, 95.6954,  
108.4813

■ 54.5571, 53.7264,  
25.5200

■ 87.4147, 96.0638,  
108.5427

■ 51.3069, 49.2386,  
18.2320

■ 48.5152, 45.1565,  
12.6731

■ 46.1503, 41.4626,  
8.6912

■ 44.1753, 38.1374,  
6.1067

■ 42.5394, 35.1556,  
4.6671

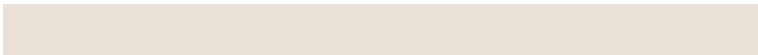
# Harmonies

## Analogous

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



74.1323, 76.0291, 76.0883



72.6671, 76.0291, 74.4634



71.1145, 76.0291, 75.0025

# Triad

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



72.6671, 76.0291, 74.4634



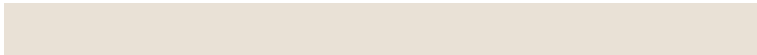
69.4930, 76.0291, 86.1349



74.6937, 76.0291, 88.2038

# Complementary

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



72.6671, 76.0291, 74.4634



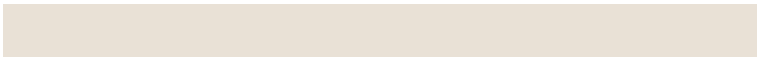
68.5607, 72.4207, 87.4568

# Split Complementary

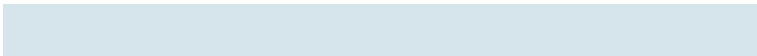
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.4246, 76.0291, 91.0833



72.6671, 76.0291, 74.4634



70.4262, 76.0291, 89.8589

# Square

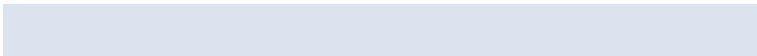
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6671, 76.0291, 74.4634



69.2969, 76.0291, 81.6340



71.8612, 76.0291, 91.6998

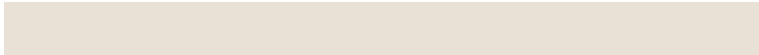


75.3133, 76.0291, 83.9422



# Rectangle

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



72.6671, 76.0291, 74.4634



70.2374, 76.0291, 76.5258



71.8612, 76.0291, 91.6998



74.3280, 76.0291, 89.3718

# Sweetspot

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



72.6692, 76.0324, 74.4650



93.5588, 98.3141, 104.4057



70.8679, 70.7043, 79.1845



20.0411, 21.0610, 22.3942



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

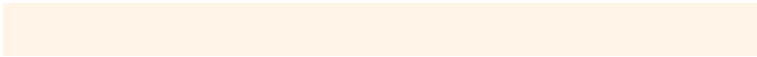


# Same Dimension

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



72.6692, 76.0324, 74.4650



87.8844, 91.8084, 87.5841



74.4697, 80.2451, 75.1833



15.7901, 16.5032, 15.8719



24.1050, 19.9042, 2.5714



1.9876, 1.7526, 0.2335

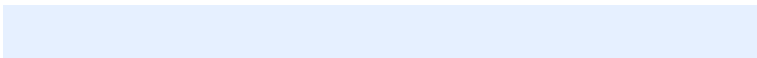


# Inverse Universe

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



68.5607, 72.4207, 87.4568



81.7511, 86.4167, 106.9791



66.8583, 68.4649, 86.7829



14.7522, 15.5908, 19.1540



10.9433, 8.5335, 44.8133

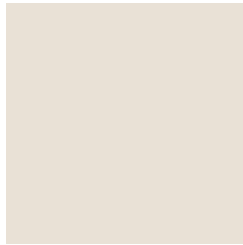


0.9526, 0.8566, 3.5500



# Previews

## White Background



This preview shows how the XYZ color 72.6671, 76.0291, 74.4634 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 72.6671, 76.0291, 74.4634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

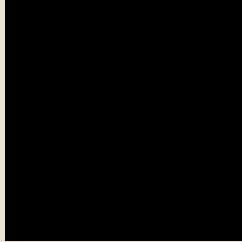
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

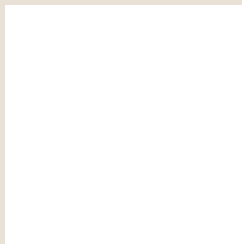
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.6671, 76.0291, 74.4634**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.6671, 76.0291, 74.4634.



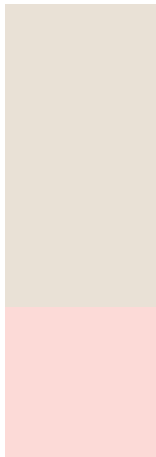
This preview shows how white text looks on a background with the XYZ color 72.6671, 76.0291,



# 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

72.6671, 76.0291, 74.4634

### Protanopia

72.6671, 76.0291, 74.4634

### Deuteranopia

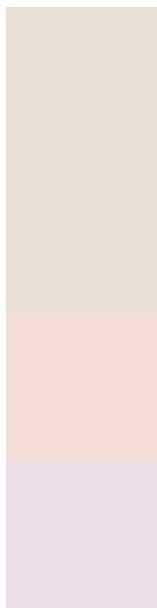
77.4820, 75.7446, 74.8264



## Tritanopia

76.3615, 75.9494, 92.2964

# Trichromacy



## Original Color

72.6671, 76.0291, 74.4634

## Protanomaly

72.6671, 76.0291, 74.4634

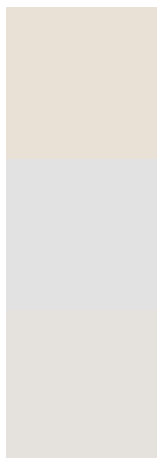
## Deuteranomaly

75.7784, 76.0317, 74.9716

## Tritanomaly

74.9963, 75.7886, 85.5388

# Monochromacy



## Original Color

72.6671, 76.0291, 74.4634

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.6943, 76.3247, 80.0080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6671, 76.0291, 74.4634 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(233, 225, 214) looks like.

```
.text, #text, p{  
    color:rgb(233, 225, 214)  
}
```

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(233, 225, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 225, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6671, 76.0291, 74.4634 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(233, 225, 214) }
```



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

```
.border{ border-color:rgb(233, 225, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 225, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 225, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 225, 214);  
box-shadow:4px 4px 4px 4px rgb(233, 225,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6671, 76.0291, 74.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 225, 214) }
```

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

```
.background{ background-color: rgb(233,  
225, 214) }
```

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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