

# Converting Colors

XYZ(66.8311, 72.6652, 57.5760)

Have a look what the booklet for  
XYZ(66.8311, 72.6652, 57.5760)  
contains.

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# Color

**XYZ(66.7213, 72.5320,  
57.4972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2DFBB
RGB	226, 223, 187
RGB Percent	89%, 87%, 73%
CMY	0.1137, 0.1255, 0.2667
CMYK	0.00, 0.01, 0.17, 0.11
HSL	55°, 40%, 81%
HSV	55°, 17%, 89%
XYZ	66.7213, 72.5320, 57.4972
YIQ	219.7930, 13.3440, -10.5600

# Conversions

## Conversions Part 2

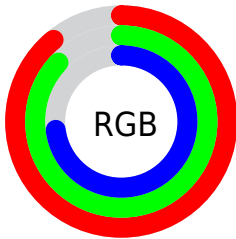
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	190, 226, 187
Decimal	14868411
CIE Lab	88.22, -4.87, 18.04
CIE LCh	88, 18.686, 105.109
Yxy	72.5320, 0.3391, 0.3686
Android (android.graphics.Color)	4293058491 (0xFFE2DFBB)
YUV	219.7930, -16.1669, 5.4435
Hunter-Lab	85.1657, -9.1979, 19.5881

# Details

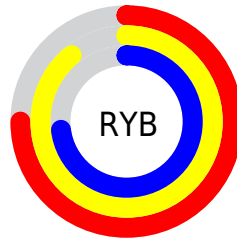
The XYZ color **66.7213, 72.5320, 57.4972** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.6342, 52.8814, 79.3848**, and the grayscale version is **67.9874, 71.5281, 77.8941**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **34.8833, 38.2725, 28.1031** is the 20% darker color. If you saturate the color by 10%, you get **64.0293, 70.7195, 45.5880**, and if you desaturate by 10%, it is **69.8028, 74.5127, 71.4164**.

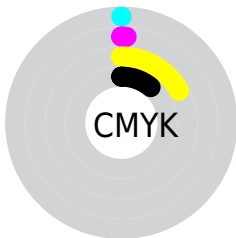
# Distribution



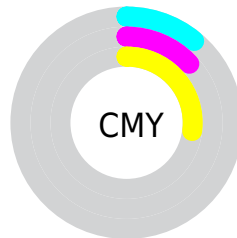
- Red (89%)
- Green (87%)
- Blue (73%)



- Red (75%)
- Yellow (89%)
- Blue (73%)



- Cyan (0%)
- Magenta (1%)
- Yellow (17%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7213, 72.5320, 57.4972 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 66.7213, 72.5320, 57.4972 by changing the saturation by 10% instead.



■ 66.7213, 72.5320,  
57.4972

■ 66.7213, 72.5320,  
57.4972

438.4002,  
469.3912, 432.8556

■ 49.1280, 53.5934,  
40.9925

■ 113.5730,  
122.8126, 102.6978

■ 34.9360, 38.2767,  
27.9936

143.5621,  
154.9234, 132.2309

■ 23.7799, 26.1975,  
18.0818

178.4139,  
192.1936, 166.9438

■ 15.2943, 16.9714,  
10.8387

218.4937,  
235.0078, 207.2552

■ 9.1138, 10.2141,  
5.8457

264.1669,  
283.7502, 253.5835

■ 4.8732, 5.5412,  
2.6842

315.7988,

■ 2.2070, 2.5681,

338.8053, 306.3473

0.9355

373.7547,  
400.5575, 365.9652

■ 0.7465, 0.9107,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.7213, 72.5320,  
57.4972

■ 66.7213, 72.5320,  
57.4972

■ 64.0293, 70.7195,  
45.5880

■ 69.8028, 74.5127,  
71.4164

■ 61.7031, 69.0585,  
35.5907

■ 73.2845, 76.6588,  
87.4285

■ 59.7255, 67.5445,  
27.4059

■ 77.1840, 78.9796,  
105.6172

■ 58.0756, 66.1692,  
20.9231

■ 77.6963, 79.9531,  
105.9452

■ 56.7301, 64.9230,  
16.0203

■ 78.1815, 80.9236,  
106.1069

■ 55.6627, 63.7957,  
12.5586

■ 78.6716, 81.9037,  
106.2703

■ 54.8425, 62.7746,  
10.3758

■ 79.1665, 82.8934,  
106.4353

■ 54.2287, 61.8436,  
9.2569

■ 79.6662, 83.8929,  
106.6018

■ 54.0780, 61.5965,  
9.0391

■ 80.1708, 84.9020,  
106.7700

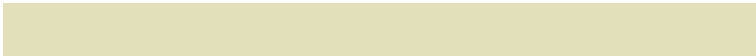
# Harmonies

## Analogous

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



71.1739, 72.5320, 57.4775



66.7213, 72.5320, 57.4972



63.0227, 72.5320, 62.8318

# Triad

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



66.7213, 72.5320, 57.4972



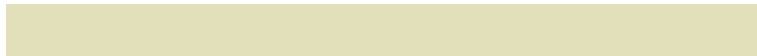
63.0446, 72.5320, 97.7471



77.5920, 72.5320, 85.4769

# Complementary

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



66.7213, 72.5320, 57.4972



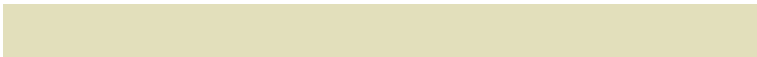
52.6342, 52.8814, 79.3848

# Split Complementary

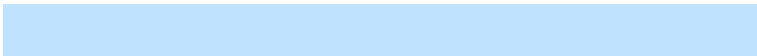
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.2155, 72.5320, 97.6705



66.7213, 72.5320, 57.4972



66.7524, 72.5320, 105.2582

# Square

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



66.7213, 72.5320, 57.4972



60.9632, 72.5320, 85.5728



71.2063, 72.5320, 105.2288



77.5828, 72.5320, 72.7254



# Rectangle

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



66.7213, 72.5320, 57.4972



61.4266, 72.5320, 69.0526



71.2063, 72.5320, 105.2288



77.0413, 72.5320, 89.8051

# Sweetspot

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



66.7232, 72.5352, 57.4987



92.7531, 98.5828, 98.3412



58.4567, 55.4390, 56.4794



19.7862, 21.0591, 20.7436



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.



66.7232, 72.5352, 57.4987



86.2979, 94.4227, 69.2133



62.6738, 71.6460, 57.5405



14.7770, 15.8400, 14.5854



30.8911, 35.2200, 5.1700



2.1684, 2.4956, 0.3674



# Inverse Universe

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



52.6342, 52.8814, 79.3848



64.2245, 63.6319, 103.5049



56.1953, 53.7642, 79.3675



13.0362, 13.4115, 17.2893



7.9821, 3.4337, 41.2904

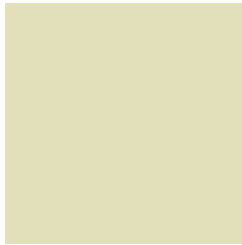


0.5832, 0.2979, 2.8720



# Previews

## White Background



This preview shows how the XYZ color 66.7213, 72.5320, 57.4972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

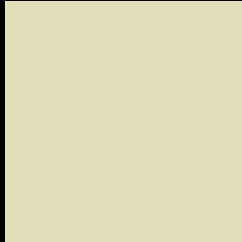
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.7213, 72.5320, 57.4972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

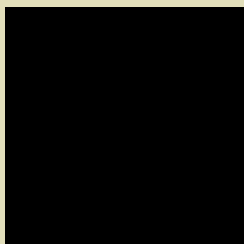
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

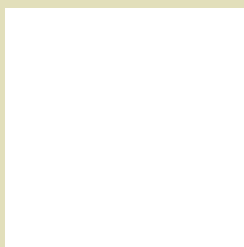
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.7213, 72.5320, 57.4972**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.7213, 72.5320, 57.4972.



This preview shows how white text looks on a background with the XYZ color 66.7213, 72.5320,



# 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

66.7213, 72.5320, 57.4972

### Protanopia

68.3237, 72.5817, 56.8630

### Deuteranopia

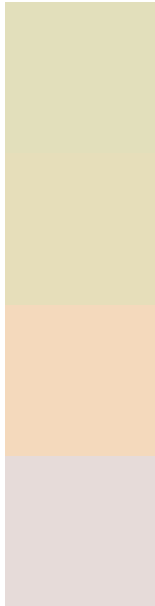
73.8526, 72.3335, 58.2134



## Tritanopia

72.6859, 72.2081, 87.9485

# Trichromacy



## Original Color

66.7213, 72.5320, 57.4972

## Protanomaly

67.6173, 72.6107, 56.9058

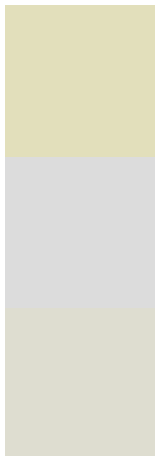
## Deuteranomaly

71.1982, 72.4896, 57.8163

## Tritanomaly

70.4890, 72.4958, 75.9236

# Monochromacy



## Original Color

66.7213, 72.5320, 57.4972

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

67.3658, 71.7966, 69.9821

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.7213, 72.5320, 57.4972 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(226, 223, 187)` looks like.

```
.text, #text, p{  
    color:rgb(226, 223, 187)  
}
```

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(226, 223, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 223, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 66.7213, 72.5320, 57.4972 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(226, 223, 187) }
```



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

```
.border{ border-color:rgb(226, 223, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 223, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 223, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 223, 187); box-shadow:4px 4px 4px 4px rgb(226, 223, 187) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.7213, 72.5320, 57.4972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 223, 187) }
```

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

```
.background{ background-color: rgb(226,  
223, 187) }
```

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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