

# Converting Colors

XYZ(67.4574, 70.8942, 53.8739)

Have a look what the booklet for  
XYZ(67.4574, 70.8942, 53.8739)  
contains.

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# Color

**XYZ(67.6728, 71.1412,  
53.8809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBDAB5
RGB	235, 218, 181
RGB Percent	92%, 85%, 71%
CMY	0.0784, 0.1451, 0.2902
CMYK	0.00, 0.07, 0.23, 0.08
HSL	41°, 57%, 82%
HSV	41°, 23%, 92%
XYZ	67.6728, 71.1412, 53.8809
YIQ	218.8650, 22.0090, -7.9030

# Conversions

## Conversions Part 2

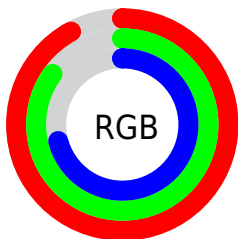
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 235, 181
Decimal	15456949
CIE <sub>Lab</sub>	87.55, 0.12, 20.35
CIE <sub>LCh</sub>	88, 20.348, 89.658
Yxy	71.1412, 0.3512, 0.3692
Android (android.graphics.Color)	4293647029 (0xFFEBDAB5)
YUV	218.8650, -18.6674, 14.1504
Hunter-Lab	84.3452, -4.3881, 21.1664

# Details

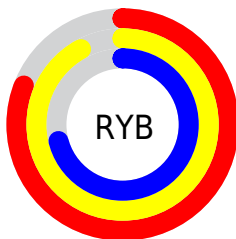
The XYZ color **67.6728, 71.1412, 53.8809** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.2451, 56.2085, 86.5878**, and the grayscale version is **67.3546, 70.8623, 77.1690**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **35.5839, 37.3366, 25.7533** is the 20% darker color. If you saturate the color by 10%, you get **63.5873, 66.5088, 41.6094**, and if you desaturate by 10%, it is **72.2544, 76.1139, 68.3260**.

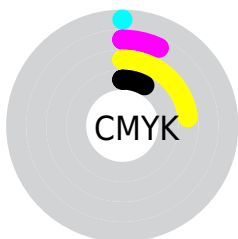
# Distribution



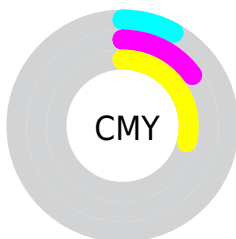
- Red (92%)
- Green (85%)
- Blue (71%)



- Red (81%)
- Yellow (92%)
- Blue (71%)



- Cyan (0%)
- Magenta (7%)
- Yellow (23%)
- Black (8%)



- Cyan (8%)
- Magenta (15%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6728, 71.1412, 53.8809 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 67.6728, 71.1412, 53.8809 by changing the saturation by 10% instead.



67.6728, 71.1412,  
53.8809

67.6728, 71.1412,  
53.8809

441.7308,  
464.5469, 418.8175

49.9043, 52.4574,  
38.1139

114.9284,  
120.8348, 97.3540

35.5548, 37.3698,  
25.7686

145.1462,  
152.6133, 125.8972

24.2591, 25.4940,  
16.4264

180.2446,  
189.5256, 159.5362

15.6517, 16.4455,  
9.6688

220.5887,  
231.9561, 198.6896

9.3673, 9.8399,  
5.0772

266.5440,  
280.2890, 243.7758

5.0406, 5.2929,  
2.2331

318.4759,

2.3061, 2.4201,

334.9089, 295.2135

0.6934

376.7497,  
396.2000, 353.4212

■ 0.7978, 0.8362,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.6728, 71.1412,  
53.8809

■ 67.6728, 71.1412,  
53.8809

■ 63.5873, 66.5088,  
41.6094

■ 72.2544, 76.1139,  
68.3260

■ 59.9708, 62.1966,  
31.3992

■ 77.3466, 81.4271,  
85.0405

■ 56.8019, 58.1969,  
23.1348

■ 82.9700, 87.0932,  
104.1198

■ 54.0550, 54.4976,  
16.6873

■ 85.7524, 91.7648,  
107.8005

■ 51.7016, 51.0853,  
11.9119

■ 88.0664, 96.3928,  
108.5718

■ 49.7089, 47.9451,  
8.6420

■ 88.0710, 96.4022,  
108.5734

■ 48.0373, 45.0591,  
6.6755

■ 47.0132, 43.1665,  
5.8541

# Harmonies

## Analogous

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



72.3974, 71.1412, 56.7789



67.6728, 71.1412, 53.8809



63.1442, 71.1412, 56.6504

# Triad

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



67.6728, 71.1412, 53.8809



59.8958, 71.1412, 91.3183



75.9164, 71.1412, 91.6242

# Complementary

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



67.6728, 71.1412, 53.8809



54.2451, 56.2085, 86.5878

# Split Complementary

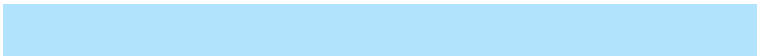
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2974, 71.1412, 102.8294



67.6728, 71.1412, 53.8809



63.0529, 71.1412, 102.6385

# Square

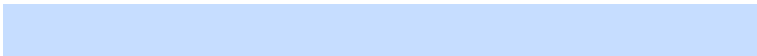
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6728, 71.1412, 53.8809



58.7855, 71.1412, 77.3027



67.5624, 71.1412, 107.0767



77.2927, 71.1412, 77.6189



# Rectangle

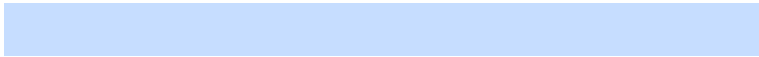
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6728, 71.1412, 53.8809



60.8114, 71.1412, 61.5502



67.5624, 71.1412, 107.0767



74.9136, 71.1412, 95.9009

# Sweetspot

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



67.6747, 71.1444, 53.8824



90.5420, 95.3711, 93.8721



60.9900, 54.7926, 60.8488



19.2997, 20.3300, 19.8291



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.



67.6747, 71.1444, 53.8824



78.8557, 82.7155, 56.9374



69.1318, 78.7768, 55.2788



15.9289, 16.7809, 15.9182



26.2843, 24.2628, 3.2979



2.1495, 2.0762, 0.2875



# Inverse Universe

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



54.2451, 56.2085, 86.5878



59.8098, 61.5377, 103.3334



52.9807, 50.1102, 85.4773



14.6180, 15.3225, 19.1093



9.8077, 6.2625, 44.4348

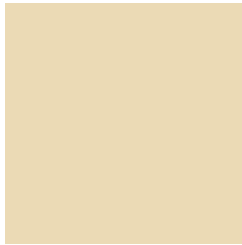


0.8535, 0.6585, 3.5170



# Previews

## White Background



This preview shows how the XYZ color 67.6728, 71.1412, 53.8809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

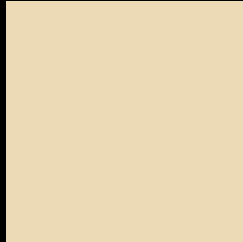
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.6728, 71.1412, 53.8809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

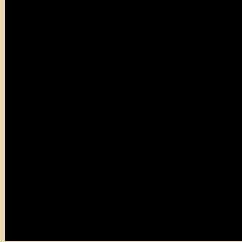
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.6728, 71.1412, 53.8809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.6728, 71.1412, 53.8809.



This preview shows how white text looks on a background with the XYZ color 67.6728, 71.1412,



# 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

67.6728, 71.1412, 53.8809

### Protanopia

66.9507, 71.1550, 53.9217

### Deuteranopia

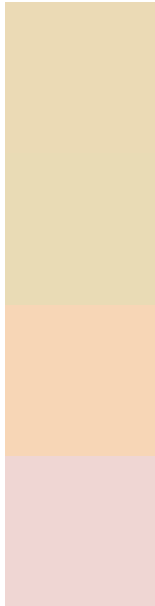
72.6108, 71.0368, 54.1404



## Tritanopia

73.5735, 70.8907, 83.2043

# Trichromacy



## Original Color

67.6728, 71.1412, 53.8809

## Protanomaly

67.2763, 71.3229, 53.9369

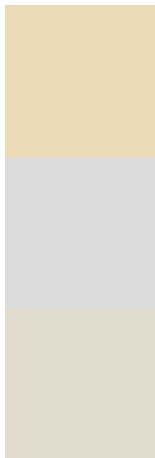
## Deuteranomaly

70.8478, 71.2447, 54.2735

## Tritanomaly

71.4010, 71.1470, 71.5975

# Monochromacy



## Original Color

67.6728, 71.1412, 53.8809

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.4023, 71.0784, 67.9246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.6728, 71.1412, 53.8809 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(235, 218, 181)` looks like.

```
.text, #text, p{  
    color:rgb(235, 218, 181)  
}
```

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(235, 218, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 218, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 67.6728, 71.1412, 53.8809 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(235, 218, 181) }
```



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

```
.border{ border-color:rgb(235, 218, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 218, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 218, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 218, 181);  
box-shadow:4px 4px 4px 4px rgb(235, 218,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.6728, 71.1412, 53.8809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 218, 181) }
```

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

```
.background{ background-color: rgb(235,  
218, 181) }
```

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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