

# Converting Colors

XYZ(69.3638, 73.6779, 54.4547)

Have a look what the booklet for  
XYZ(69.3638, 73.6779, 54.4547)  
contains.

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# **Color**

**XYZ(69.3868, 73.5833,  
54.2620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDEB5
RGB	237, 222, 181
RGB Percent	93%, 87%, 71%
CMY	0.0706, 0.1294, 0.2902
CMYK	0.00, 0.06, 0.24, 0.07
HSL	44°, 61%, 82%
HSV	44°, 24%, 93%
XYZ	69.3868, 73.5833, 54.2620
YIQ	221.8110, 22.1010, -9.5710

# Conversions

## Conversions Part 2

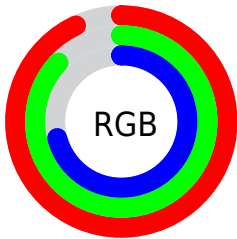
Format	Color
R <sub>Y</sub> B	201, 237, 181
Decimal	15589045
CIE Lab	88.73, -1.19, 22.00
CIE LCh	89, 22.027, 93.098
Yxy	73.5833, 0.3518, 0.3731
Android (android.graphics.Color)	4293779125 (0xFFEDDEB5)
YUV	221.8110, -20.1198, 13.3208
Hunter-Lab	85.7807, -5.7301, 22.5416

# Details

The XYZ color **69.3868, 73.5833, 54.2620** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.0817, 55.4166, 87.9671**, and the grayscale version is **69.4260, 73.0415, 79.5422**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **36.7711, 39.0197, 26.0156** is the 20% darker color. If you saturate the color by 10%, you get **65.5056, 69.3869, 41.9741**, and if you desaturate by 10%, it is **73.7490, 78.0787, 68.7529**.

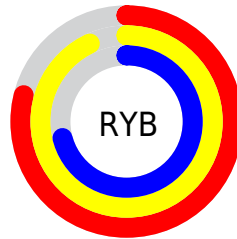
# Distribution



Red (93%)

Green (87%)

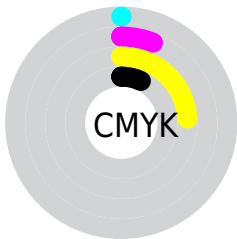
Blue (71%)



Red (79%)

Yellow (93%)

Blue (71%)

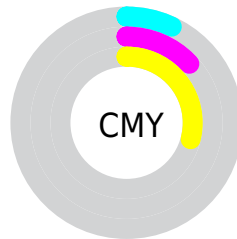


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3868, 73.5833, 54.2620 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 69.3868, 73.5833, 54.2620 by changing the saturation by 10% instead.



69.3868, 73.5833,  
54.2620

69.3868, 73.5833,  
54.2620

447.6941,  
473.0339, 420.3111

51.3046, 54.4531,  
38.4166

117.3649,  
124.3049, 97.9191

36.6731, 38.9640,  
26.0018

147.9915,  
156.6651, 126.5679

25.1270, 26.7317,  
16.5992

183.5303,  
194.2040, 160.3215

16.3009, 17.3718,  
9.7902

224.3466,  
237.3061, 199.5984

9.8295, 10.5000,  
5.1563

270.8057,  
286.3558, 244.8174

5.3475, 5.7317,  
2.2789

323.2731,

2.4894, 2.6826,

341.7374, 296.3968

0.7194

382.1141,  
403.8353, 354.7552

■ 0.8899, 0.9684,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.3868, 73.5833,  
54.2620

■ 69.3868, 73.5833,  
54.2620

■ 65.5056, 69.3869,  
41.9741

■ 73.7490, 78.0787,  
68.7529

■ 62.0781, 65.4699,  
31.7740

■ 78.6066, 82.8722,  
85.5446

■ 59.0827, 61.8250,  
23.5433

■ 83.9803, 87.9760,  
104.7351

■ 56.4936, 58.4408,  
17.1495

■ 86.3553, 91.9849,  
107.8112

■ 54.2818, 55.3046,  
12.4438

■ 88.3332, 95.9407,  
108.4705

■ 52.4141, 52.4017,  
9.2543

■ 88.7352, 96.7446,  
108.6045

■ 50.8499, 49.7149,  
7.3716

■ 49.9726, 48.0994,  
6.6503

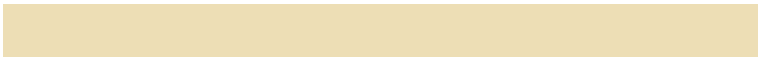
# Harmonies

## Analogous

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



74.6743, 73.5833, 56.7121



69.3868, 73.5833, 54.2620



64.4953, 73.5833, 57.9802

# Triad

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



69.3868, 73.5833, 54.2620



61.7074, 73.5833, 97.2224



79.4724, 73.5833, 94.1328

# Complementary

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



69.3868, 73.5833, 54.2620



54.0817, 55.4166, 87.9671

# Split Complementary

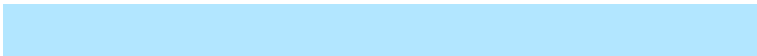
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6801, 73.5833, 107.2802



69.3868, 73.5833, 54.2620



65.4077, 73.5833, 109.2170

# Square

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



69.3868, 73.5833, 54.2620



60.2052, 73.5833, 81.7150



70.4936, 73.5833, 113.1109



80.6686, 73.5833, 78.5453



# Rectangle

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



69.3868, 73.5833, 54.2620



62.0666, 73.5833, 63.7714



70.4936, 73.5833, 113.1109



78.4498, 73.5833, 99.0474

# Sweetspot

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



69.3887, 73.5866, 54.2635



90.8021, 95.8915, 93.9588



61.5124, 55.0783, 60.1333



19.3600, 20.4507, 19.8492



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.



69.3887, 73.5866, 54.2635



79.8113, 84.6268, 57.2560



69.6350, 79.8911, 55.4675



15.9910, 16.9050, 15.9389



27.3968, 26.4878, 3.6687



2.2298, 2.2368, 0.3142



# Inverse Universe

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



54.0817, 55.4166, 87.9671



59.0109, 59.9399, 103.0671



53.8371, 50.5182, 87.0345



14.5593, 15.2050, 19.0898



9.4222, 5.4915, 44.3063

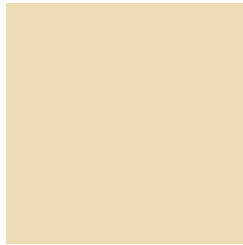


0.8170, 0.5854, 3.5048



# Previews

## White Background



This preview shows how the XYZ color 69.3868, 73.5833, 54.2620 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 69.3868, 73.5833, 54.2620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

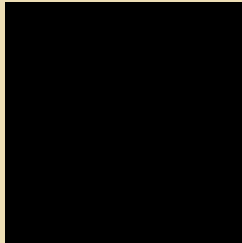
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

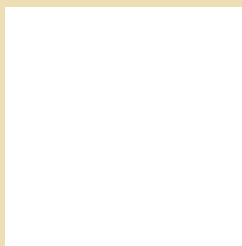
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.3868, 73.5833, 54.2620**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.3868, 73.5833, 54.2620.



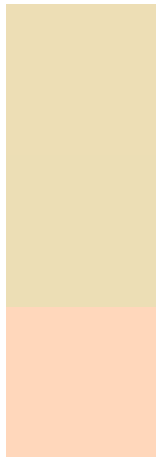
This preview shows how white text looks on a background with the XYZ color 69.3868, 73.5833,



# 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

69.3868, 73.5833, 54.2620

### Protanopia

69.0538, 73.4116, 54.2464

### Deuteranopia

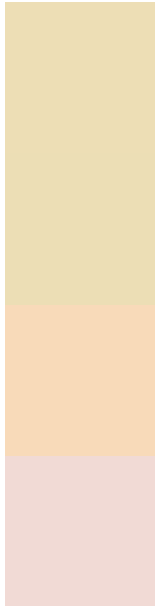
74.5101, 73.4487, 57.2636



## Tritanopia

75.8281, 73.4818, 86.5308

# Trichromacy



## Original Color

69.3868, 73.5833, 54.2620

## Protanomaly

69.0538, 73.4116, 54.2464

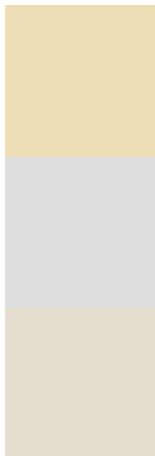
## Deuteranomaly

72.5398, 73.6020, 56.2823

## Tritanomaly

73.3573, 73.6477, 73.2999

# Monochromacy



## Original Color

69.3868, 73.5833, 54.2620

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.0623, 73.0784, 69.4971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3868, 73.5833, 54.2620 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, 222, 181)` looks like.

```
.text, #text, p{  
    color:rgb(237, 222, 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(237, 222, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3868, 73.5833, 54.2620 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, 222, 181) }
```



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

```
.border{ border-color:rgb(237, 222, 181) }
```

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

Here you see how a box with a 4 pixel rgb(237, 222, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 181);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3868, 73.5833, 54.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 222, 181) }
```

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

```
.background{ background-color: rgb(237,  
222, 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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