

# Converting Colors

XYZ(68.5084, 74.5168, 50.9636)

Have a look what the booklet for  
XYZ(68.5084, 74.5168, 50.9636)  
contains.

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# Color

**XYZ(68.4969, 74.3988,  
50.7946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE1AE
RGB	234, 225, 174
RGB Percent	92%, 88%, 68%
CMY	0.0824, 0.1176, 0.3176
CMYK	0.00, 0.04, 0.26, 0.08
HSL	51°, 59%, 80%
HSV	51°, 26%, 92%
XYZ	68.4969, 74.3988, 50.7946
YIQ	221.8770, 21.7350, -13.9530

# Conversions

## Conversions Part 2

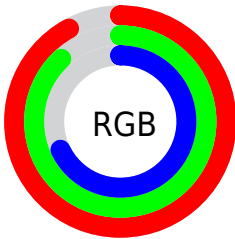
Format	Color
R <sub>Y</sub> B	185, 234, 174
Decimal	15393198
CIE Lab	89.11, -4.78, 26.11
CIE LCh	89, 26.547, 100.384
Yxy	74.3988, 0.3536, 0.3841
Android (android.graphics.Color)	4293583278 (0xFFEAE1AE)
YUV	221.8770, -23.6034, 10.6319
Hunter-Lab	86.2547, -9.1948, 25.4630

# Details

The XYZ color **68.4969, 74.3988, 50.7946** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.2402, 48.8051, 84.6674**, and the grayscale version is **69.4965, 73.1158, 79.6231**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **36.1860, 39.5949, 23.8245** is the 20% darker color. If you saturate the color by 10%, you get **65.4736, 71.6901, 39.4957**, and if you desaturate by 10%, it is **71.9410, 77.3121, 64.1962**.

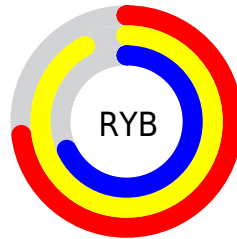
# Distribution



Red (92%)

Green (88%)

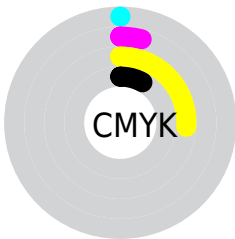
Blue (68%)



Red (73%)

Yellow (92%)

Blue (68%)

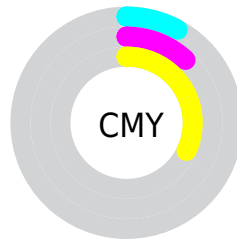


Cyan (0%)

Magenta (4%)

Yellow (26%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4969, 74.3988, 50.7946 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 68.4969, 74.3988, 50.7946 by changing the saturation by 10% instead.



68.4969, 74.3988,  
50.7946

68.4969, 74.3988,  
50.7946

444.6037,  
475.8486, 406.5890

50.5772, 55.1205,  
35.6696

116.1007,  
125.4610, 92.7595

36.0919, 39.4982,  
23.8914

146.5156,  
158.0136, 120.4364

24.6757, 27.1475,  
15.0417

181.8263,  
195.7599, 153.1344

15.9630, 17.6840,  
8.7017

222.3980,  
239.0841, 191.2720

9.5887, 10.7234,  
4.4530

268.5963,  
288.3707, 235.2677

5.1873, 5.8812,  
1.8770

320.7865,

2.3934, 2.7729,

344.0040, 285.5400

0.4780

379.3338,  
406.3686, 342.5076

0.8418, 1.0144,  
0.0000

0.0000, 0.0000,  
0.0000

68.4969, 74.3988,  
50.7946

68.4969, 74.3988,  
50.7946

65.4736, 71.6901,  
39.4957

71.9410, 77.3121,  
64.1962

62.8445, 69.1676,  
30.1861

75.8194, 80.4280,  
79.7965

60.5891, 66.8253,  
22.7491

80.1520, 83.7570,  
97.6912

58.6824, 64.6531,  
17.0539

82.8595, 86.4678,  
106.9305

■ 57.0962, 62.6395,  
12.9525

■ 83.8968, 88.5423,  
107.2763

■ 55.7976, 60.7712,  
10.2726

■ 84.9541, 90.6570,  
107.6287

■ 54.7463, 59.0319,  
8.8018

■ 86.0316, 92.8119,  
107.9879

■ 54.3369, 58.3026,  
8.3897

■ 87.1293, 95.0074,  
108.3538

■ 87.7419, 96.2325,  
108.5580

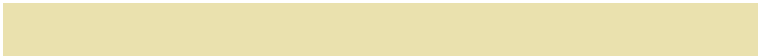
# Harmonies

## Analogous

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



74.9694, 74.3988, 51.8887



68.4969, 74.3988, 50.7946



62.9621, 74.3988, 56.8043

# Triad

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



68.4969, 74.3988, 50.7946



61.6618, 74.3988, 106.3310



83.0807, 74.3988, 93.5560

# Complementary

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



68.4969, 74.3988, 50.7946



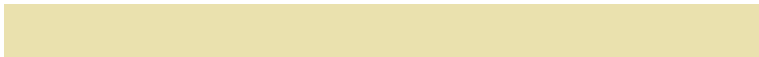
49.2402, 48.8051, 84.6674

# Split Complementary

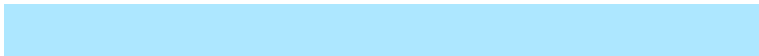
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0771, 74.3988, 111.2623



68.4969, 74.3988, 50.7946



66.6224, 74.3988, 119.3805

# Square

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



68.4969, 74.3988, 50.7946



59.1784, 74.3988, 87.5952



72.9781, 74.3988, 121.3113



83.6586, 74.3988, 74.7589

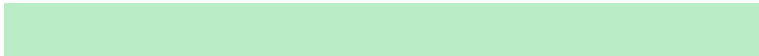


# Rectangle

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



68.4969, 74.3988, 50.7946



60.4487, 74.3988, 64.6580



72.9781, 74.3988, 121.3113



82.0799, 74.3988, 99.9043

# Sweetspot

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



68.4988, 74.4021, 50.7962



90.9698, 96.8193, 92.1880



57.6157, 51.1843, 51.6436



19.3155, 20.5993, 19.1024



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.



68.4988, 74.4021, 50.7962



81.1668, 88.5831, 53.8687



64.5040, 76.0483, 51.3245



16.1484, 17.2197, 15.9914



30.6081, 32.9105, 4.7391



2.4557, 2.6887, 0.3895



# Inverse Universe

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



49.2402, 48.8051, 84.6674



53.8839, 52.3257, 101.8676



52.4938, 47.8157, 84.3050



14.4135, 14.9133, 19.0411



8.7408, 4.1287, 44.0792

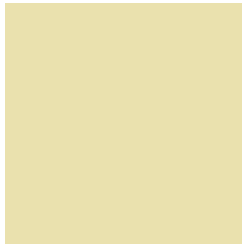


0.7425, 0.4364, 3.4800



# Previews

## White Background



This preview shows how the XYZ color 68.4969, 74.3988, 50.7946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

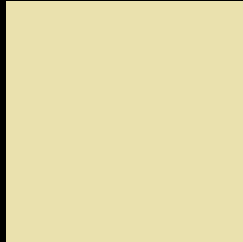
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.4969, 74.3988, 50.7946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

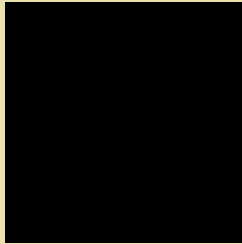
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.4969, 74.3988, 50.7946**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.4969, 74.3988, 50.7946.



This preview shows how white text looks on a background with the XYZ color 68.4969, 74.3988,



# 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

68.4969, 74.3988, 50.7946

### Protanopia

69.5271, 74.1432, 50.1818

### Deuteranopia

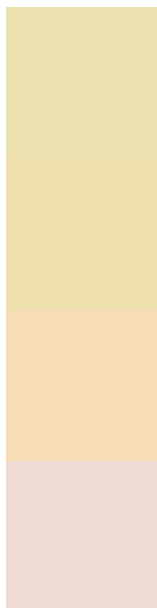
74.9158, 74.4309, 56.8725



## Tritanopia

75.9398, 74.2670, 88.1744

# Trichromacy



## Original Color

68.4969, 74.3988, 50.7946

## Protanomaly

69.1235, 74.3330, 50.2397

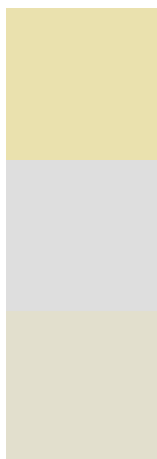
## Deuteranomaly

72.3945, 74.3380, 54.7890

## Tritanomaly

72.7368, 74.1170, 72.7597

# Monochromacy



## Original Color

68.4969, 74.3988, 50.7946

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.7712, 73.3519, 68.2913

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.4969, 74.3988, 50.7946 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(234, 225, 174)` looks like.

```
.text, #text, p{  
    color:rgb(234, 225, 174)  
}
```

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(234, 225, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 225, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 68.4969, 74.3988, 50.7946 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(234, 225, 174) }
```



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

```
.border{ border-color:rgb(234, 225, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 225, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 225, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 225, 174);  
box-shadow:4px 4px 4px 4px rgb(234, 225,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.4969, 74.3988, 50.7946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 225, 174) }
```

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

```
.background{ background-color: rgb(234,  
225, 174) }
```

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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