

# Converting Colors

XYZ(68.4029, 73.2726, 49.1731)

Have a look what the booklet for  
XYZ(68.4029, 73.2726, 49.1731)  
contains.

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# Color

**XYZ(68.3970, 73.1874,  
49.0497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDEAB
RGB	237, 222, 171
RGB Percent	93%, 87%, 67%
CMY	0.0706, 0.1294, 0.3294
CMYK	0.00, 0.06, 0.28, 0.07
HSL	46°, 65%, 80%
HSV	46°, 28%, 93%
XYZ	68.3970, 73.1874, 49.0497
YIQ	220.6710, 25.3110, -12.6810

# Conversions

## Conversions Part 2

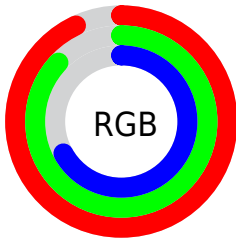
Format	Color
<a href="#">RYB</a>	<a href="#">190, 237, 171</a>
Decimal	<a href="#">15589035</a>
CIELab	<a href="#">88.54, -2.53, 26.92</a>
CIELCh	<a href="#">89, 27.038, 95.370</a>
Yxy	<a href="#">73.1874, 0.3588, 0.3839</a>
Android (android.graphics.Color)	<a href="#">4293779115 (0xFFEDDEAB)</a>
YUV	<a href="#">220.6710, -24.4878, 14.3205</a>
Hunter-Lab	<a href="#">85.5496, -7.0010, 25.8909</a>

# Details

The XYZ color **68.3970, 73.1874, 49.0497** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.6391, 49.8887, 87.1341**, and the grayscale version is **68.6519, 72.2272, 78.6554**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **35.9111, 38.6487, 22.7068** is the 20% darker color. If you saturate the color by 10%, you get **64.9308, 69.5516, 37.7307**, and if you desaturate by 10%, it is **72.3178, 77.0832, 62.5202**.

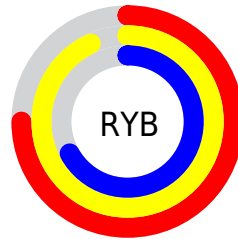
# Distribution



Red (93%)

Green (87%)

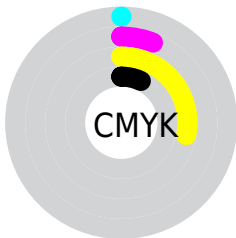
Blue (67%)



Red (75%)

Yellow (93%)

Blue (67%)

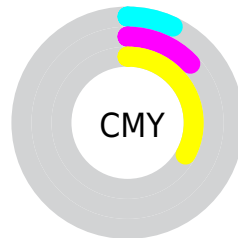


Cyan (0%)

Magenta (6%)

Yellow (28%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3970, 73.1874, 49.0497 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 68.3970, 73.1874, 49.0497 by changing the saturation by 10% instead.



68.3970, 73.1874,  
49.0497

68.3970, 73.1874,  
49.0497

444.2560,  
471.6641, 399.5660

50.4956, 54.1292,  
34.2930

115.9587,  
123.7432, 90.1470

36.0268, 38.7050,  
22.8396

146.3497,  
156.0096, 117.3247

24.6251, 26.5303,  
14.2709

181.6347,  
193.4476, 149.4799

15.9252, 17.2208,  
8.1685

222.1790,  
236.4414, 187.0310

9.5617, 10.3920,  
4.1136

268.3479,  
285.3756, 230.3967

5.1694, 5.6596,  
1.6879

320.5068,

2.3828, 2.6392,

340.6345, 279.9953

0.3524

379.0210,  
402.6025, 336.2456

■ 0.8365, 0.9464,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.3970, 73.1874,  
49.0497

■ 68.3970, 73.1874,  
49.0497

■ 64.9308, 69.5516,  
37.7307

■ 72.3178, 77.0832,  
62.5202

■ 61.8914, 66.1563,  
28.4445

■ 76.7079, 81.2380,  
78.2433

■ 59.2566, 62.9946,  
21.0677

■ 81.5884, 85.6633,  
96.3192

■ 56.9996, 60.0552,  
15.4619

■ 85.1886, 89.6516,  
107.4223

■ 55.0903, 57.3250,  
11.4697

■ 86.8285, 92.9314,  
107.9689

■ 53.4930, 54.7893,  
8.9056

■ 88.5161, 96.3066,  
108.5315

■ 52.1592, 52.4280,  
7.5170

■ 88.7351, 96.7446,  
108.6045

■ 51.8909, 51.9361,  
7.2897

# Harmonies

## Analogous

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



74.9129, 73.1874, 51.3313



68.3970, 73.1874, 49.0497



62.5625, 73.1874, 53.8757

# Triad

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



68.3970, 73.1874, 49.0497



59.8426, 73.1874, 102.3037



81.5780, 73.1874, 95.5890

# Complementary

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



68.3970, 73.1874, 49.0497



49.6391, 49.8887, 87.1341

# Split Complementary

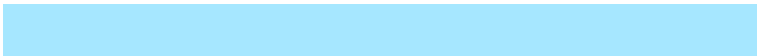
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0660, 73.1874, 112.6564



68.3970, 73.1874, 49.0497



64.4730, 73.1874, 116.9374

# Square

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



68.3970, 73.1874, 49.0497



57.8248, 73.1874, 83.0925



70.7410, 73.1874, 120.9937



82.7898, 73.1874, 76.3790



# Rectangle

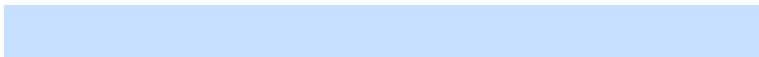
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.3970, 73.1874, 49.0497



59.7587, 73.1874, 60.9963



70.7410, 73.1874, 120.9937



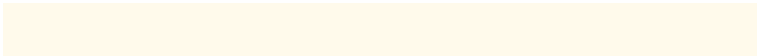
80.3837, 73.1874, 101.8559

# Sweetspot

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



68.3989, 73.1907, 49.0512



90.4769, 95.8336, 92.0237



58.3941, 50.6934, 53.3856



19.1907, 20.3496, 19.0607



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.



68.3989, 73.1907, 49.0512



78.5379, 84.1176, 50.5501



66.9692, 78.6311, 50.1767



16.0449, 17.0128, 15.9569



28.4338, 28.5619, 4.0144



2.3036, 2.3844, 0.3388



# Inverse Universe

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



49.6391, 49.8887, 87.1341



53.2184, 52.6741, 101.9699



50.7369, 46.0089, 86.3274



14.5088, 15.1041, 19.0729



9.1431, 4.9333, 44.2133

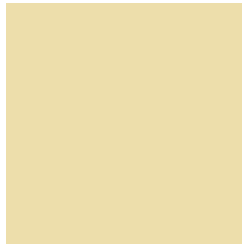


0.7888, 0.5291, 3.4954



# Previews

## White Background



This preview shows how the XYZ color 68.3970, 73.1874, 49.0497 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 68.3970, 73.1874, 49.0497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

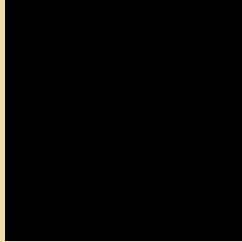
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.3970, 73.1874, 49.0497**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3970, 73.1874, 49.0497.



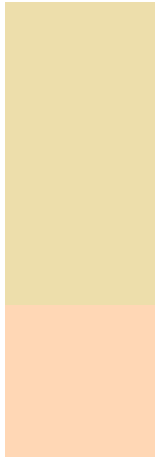
This preview shows how white text looks on a background with the XYZ color 68.3970, 73.1874,



# 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

68.3970, 73.1874, 49.0497

### Protanopia

68.3970, 73.1874, 49.0497

### Deuteranopia

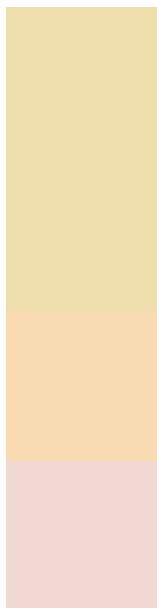
73.8809, 73.1971, 53.9506



## Tritanopia

75.7786, 73.0958, 85.7162

# Trichromacy



## Original Color

68.3970, 73.1874, 49.0497

## Protanomaly

68.3970, 73.1874, 49.0497

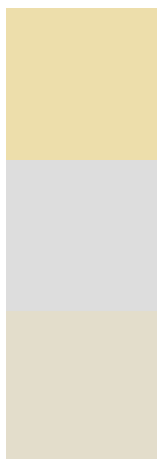
## Deuteranomaly

71.7186, 73.2736, 51.9582

## Tritanomaly

72.5971, 72.9299, 70.5722

# Monochromacy



## Original Color

68.3970, 73.1874, 49.0497

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.3145, 72.3556, 66.8654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3970, 73.1874, 49.0497 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(237, 222, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3970, 73.1874, 49.0497 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, 171) }
```



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

```
.border{ border-color:rgb(237, 222, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 171);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3970, 73.1874, 49.0497 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, 171) }
```

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

```
.background{ background-color: rgb(237,  
222, 171) }
```

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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