

# Converting Colors

XYZ(64.9026, 69.4614, 37.5699)

Have a look what the booklet for  
XYZ(64.9026, 69.4614, 37.5699)  
contains.

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# **Color**

**XYZ(64.7474, 69.2228,  
37.5526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD893
RGB	237, 216, 147
RGB Percent	93%, 85%, 58%
CMY	0.0706, 0.1529, 0.4235
CMYK	0.00, 0.09, 0.38, 0.07
HSL	46°, 71%, 75%
HSV	46°, 38%, 93%
XYZ	64.7474, 69.2228, 37.5526
YIQ	214.4130, 34.6650, -17.0070

# Conversions

## Conversions Part 2

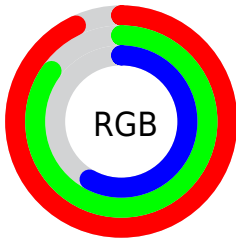
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 237, 147
Decimal	15587475
CIELab	86.61, -2.36, 36.66
CIELCh	87, 36.740, 93.680
Yxy	69.2228, 0.3775, 0.4036
Android (android.graphics.Color)	4293777555 (0xFFEDD893)
YUV	214.4130, -33.2346, 19.8088
Hunter-Lab	83.2002, -6.6896, 31.4795

# Details

The XYZ color **64.7474, 69.2228, 37.5526** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.3211, 40.3217, 85.7258**, and the grayscale version is **64.3970, 67.7506, 73.7804**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **33.6328, 36.0193, 16.0062** is the 20% darker color. If you saturate the color by 10%, you get **61.6838, 65.7715, 28.2823**, and if you desaturate by 10%, it is **68.2452, 72.9291, 48.8593**.

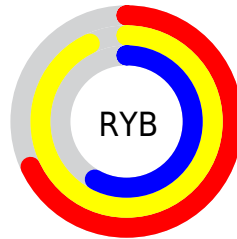
# Distribution



Red (93%)

Green (85%)

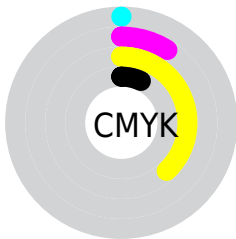
Blue (58%)



Red (68%)

Yellow (93%)

Blue (58%)

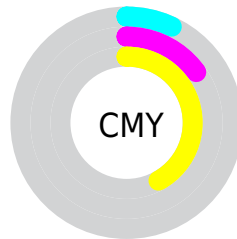


Cyan (0%)

Magenta (9%)

Yellow (38%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7474, 69.2228, 37.5526 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 64.7474, 69.2228, 37.5526 by changing the saturation by 10% instead.



64.7474, 69.2228,  
37.5526

64.7474, 69.2228,  
37.5526

431.4433,  
457.8164, 350.9373

47.5202, 50.8932,  
25.3365

110.7544,  
118.0997, 72.6177

33.6568, 36.1236,  
16.1066

140.2648,  
149.4159, 96.3037

22.7917, 24.5297,  
9.4445

174.6005,  
185.8296, 124.6502

14.5596, 15.7270,  
4.9315

214.1266,  
227.7253, 158.0756

8.5952, 9.3312,  
2.1491

259.2086,  
275.4875, 196.9984

4.5331, 4.9578,  
0.6447

310.2118,

2.0079, 2.2225,

329.5005, 241.8373

0.0000

367.5016,  
390.1486, 293.0108

■ 0.6384, 0.7322,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.7474, 69.2228,  
37.5526

■ 64.7474, 69.2228,  
37.5526

■ 61.6838, 65.7715,  
28.2823

■ 68.2452, 72.9291,  
48.8593

■ 59.0252, 62.5551,  
20.9193

■ 72.1943, 76.8904,  
62.3125

■ 56.7464, 59.5655,  
15.3261

■ 76.6169, 81.1188,  
78.0193

■ 54.8172, 56.7896,  
11.3451

■ 81.5320, 85.6227,  
96.0785

■ 53.2016, 54.2125,  
8.7904

■ 85.2202, 89.7148,  
107.4329

■ 51.8507, 51.8138,  
7.4061

■ 86.9057, 93.0857,  
107.9947

■ 51.5946, 51.3435,  
7.1910

■ 88.6414, 96.5572,  
108.5732

■ 88.7351, 96.7445,  
108.6045

# Harmonies

## Analogous

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



73.3348, 69.2228, 40.6315



64.7474, 69.2228, 37.5526



57.1142, 69.2228, 42.6608

# Triad

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



64.7474, 69.2228, 37.5526



53.0719, 69.2228, 104.5257



81.6116, 69.2228, 98.1672

# Complementary

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



64.7474, 69.2228, 37.5526



41.3211, 40.3217, 85.7258

# 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.



75.3118, 69.2228, 121.5876



64.7474, 69.2228, 37.5526



58.7891, 69.2228, 125.7806

# Square

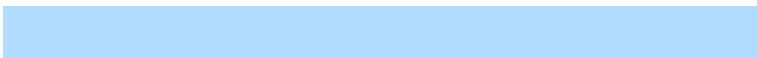
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7474, 69.2228, 37.5526



50.7511, 69.2228, 78.4262



66.8522, 69.2228, 132.6131



83.5499, 69.2228, 72.3979



# Rectangle

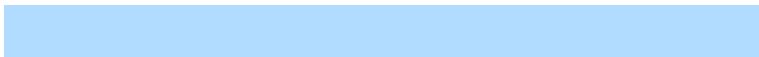
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.7474, 69.2228, 37.5526



53.4482, 69.2228, 50.8406



66.8522, 69.2228, 132.6131



79.9085, 69.2228, 106.7447

# Sweetspot

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



64.7491, 69.2260, 37.5540



88.8062, 94.2192, 86.1424



52.4272, 41.6999, 42.3323



18.8540, 20.0202, 17.8879



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.



64.7491, 69.2260, 37.5540



73.4494, 78.3736, 35.1874



62.9916, 76.8213, 39.1127



16.0368, 16.9966, 15.9542



28.2737, 28.2417, 3.9610



2.2922, 2.3618, 0.3351



# Inverse Universe

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



41.3211, 40.3217, 85.7258



41.9482, 39.5307, 100.0270



42.5151, 35.6407, 84.7594



14.5164, 15.1192, 19.0754



9.1819, 5.0108, 44.2262

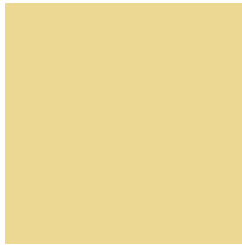


0.7928, 0.5372, 3.4968



# Previews

## White Background



This preview shows how the XYZ color 64.7474, 69.2228, 37.5526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

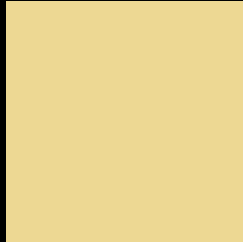
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7474, 69.2228, 37.5526 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 64.7474, 69.2228, 37.5526**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7474, 69.2228, 37.5526.



This preview shows how white text looks on a background with the XYZ color 64.7474, 69.2228,



# 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

64.7474, 69.2228, 37.5526

### Protanopia

64.3403, 69.3945, 37.6071

### Deuteranopia

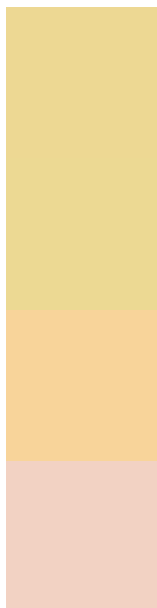
70.2120, 69.3296, 42.0291



## Tritanopia

73.0468, 68.8828, 79.2578

# Trichromacy



## Original Color

64.7474, 69.2228, 37.5526

## Protanomaly

64.6714, 69.5652, 37.6226

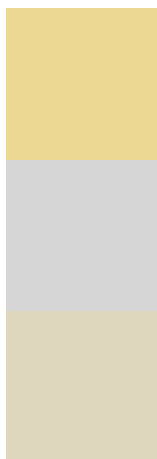
## Deuteranomaly

68.0876, 69.3765, 40.3743

## Tritanomaly

69.5149, 68.9106, 61.2670

# Monochromacy



## Original Color

64.7474, 69.2228, 37.5526

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.7189, 67.8482, 58.4529

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7474, 69.2228, 37.5526 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, 216, 147)` looks like.

```
.text, #text, p{  
    color:rgb(237, 216, 147)  
}
```

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, 216, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 216, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7474, 69.2228, 37.5526 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, 216, 147) }
```



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

```
.border{ border-color:rgb(237, 216, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 216, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 216, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 216, 147);  
box-shadow:4px 4px 4px 4px rgb(237, 216,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7474, 69.2228, 37.5526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 216, 147) }
```

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

```
.background{ background-color: rgb(237,  
216, 147) }
```

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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