

# Converting Colors

XYZ(67.0031, 74.8434, 12.8798)

Have a look what the booklet for  
XYZ(67.0031, 74.8434, 12.8798)  
contains.

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# **Color**

**XYZ(67.0037, 74.8699,  
12.9273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE228
RGB	250, 226, 40
RGB Percent	98%, 89%, 16%
CMY	0.0196, 0.1137, 0.8431
CMYK	0.00, 0.10, 0.84, 0.02
HSL	53°, 95%, 57%
HSV	53°, 84%, 98%
XYZ	67.0037, 74.8699, 12.9273
YIQ	211.9720, 74.0100, -52.7580

# Conversions

## Conversions Part 2

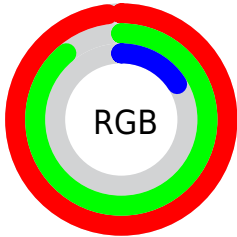
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	67, 250, 40
Decimal	16441896
CIELab	89.33, -9.02, 83.31
CIELCh	89, 83.796, 96.180
Yxy	74.8699, 0.4328, 0.4837
Android (android.graphics.Color)	4294631976 (0xFFFAE228)
YUV	211.9720, -84.7822, 33.3506
Hunter-Lab	86.5274, -13.1990, 51.7112

# Details

The XYZ color **67.0037, 74.8699, 12.9273** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **19.9641, 11.0204, 91.5167**, and the grayscale version is **63.0746, 66.3593, 72.2653**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **35.5492, 39.9446, 5.8364** is the 20% darker color. If you saturate the color by 10%, you get **65.9382, 73.2141, 11.1087**, and if you desaturate by 10%, it is **68.3599, 76.6685, 16.1980**.

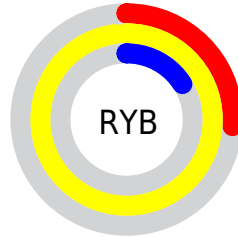
# Distribution



Red (98%)

Green (89%)

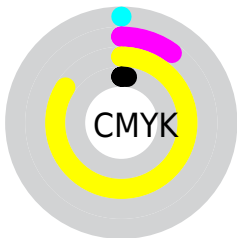
Blue (16%)



Red (26%)

Yellow (98%)

Blue (16%)

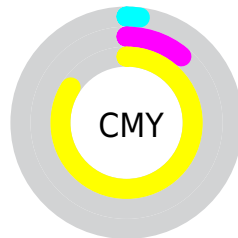


Cyan (0%)

Magenta (10%)

Yellow (84%)

Black (2%)



Cyan (2%)

Magenta (11%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0037, 74.8699, 12.9273 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 67.0037, 74.8699, 12.9273 by changing the saturation by 10% instead.



67.0037, 74.8699,  
12.9273

67.0037, 74.8699,  
12.9273

439.3902,  
477.4703, 221.6427

49.3583, 55.5063,  
7.2484

113.9755,  
126.1282, 31.8624

35.1195, 39.8072,  
3.5371

144.0326,  
158.7917, 45.9556

23.9219, 27.3883,  
1.3750

178.9577,  
196.6572, 63.6907

15.4001, 17.8651,  
0.1221

219.1161,  
240.1093, 85.4861

9.1888, 10.8531,  
0.0000

264.8733,  
289.5322, 111.7605

4.9226, 5.9682,  
0.0000

316.5944,

2.2362, 2.8257,

345.3105, 142.9324

0.0000

374.6449,  
407.8283, 179.4202

■ 0.7617, 1.0414,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.0037, 74.8699,  
12.9273

■ 67.0037, 74.8699,  
12.9273

■ 65.9382, 73.2141,  
11.1087

■ 68.3599, 76.6685,  
16.1980

■ 65.3956, 72.2670,  
10.5022

■ 70.0476, 78.6176,  
21.1578

■ 72.1061, 80.7359,  
28.0057

■ 74.5678, 83.0365,  
36.9120

77.4615, 85.5310,  
48.0282

80.8133, 88.2299,  
61.4912

84.6471, 91.1430,  
77.4270

88.9853, 94.2791,  
95.9527

92.1947, 96.9852,  
108.4686

# Harmonies

## Analogous

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



88.2903, 74.8699, 15.7329



67.0037, 74.8699, 12.9273



50.3440, 74.8699, 20.1484

# Triad

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



67.0037, 74.8699, 12.9273



43.8604, 74.8699, 167.9266



113.6356, 74.8699, 136.1146

# Complementary

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



67.0037, 74.8699, 12.9273



19.9641, 11.0204, 91.5167

# 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.



97.0476, 74.8699, 210.7387



67.0037, 74.8699, 12.9273



56.4052, 74.8699, 234.4579

# Square

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



67.0037, 74.8699, 12.9273



38.7371, 74.8699, 94.2816



75.4880, 74.8699, 253.0420



117.9619, 74.8699, 69.9663



# Rectangle

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



67.0037, 74.8699, 12.9273



43.1898, 74.8699, 33.4623



75.4880, 74.8699, 253.0420



109.1720, 74.8699, 161.8387

# Sweetspot

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



67.0054, 74.8735, 12.9288



84.1517, 91.9930, 62.7557



41.1231, 22.2181, 7.0478



17.7398, 19.4741, 12.3302



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.



67.0054, 74.8735, 12.9288



68.3996, 75.5792, 10.9832



51.0389, 77.0148, 14.1836



18.5481, 19.8321, 18.3128



34.7563, 38.4692, 5.5935



3.2657, 3.6562, 0.5336



# Inverse Universe

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



19.9641, 11.0204, 91.5167



18.4927, 8.1054, 95.1976



25.8303, 12.4496, 91.4834



16.4427, 16.9622, 21.7927



9.4313, 4.2182, 48.2907



0.9236, 0.4909, 4.4892



# Previews

## White Background



This preview shows how the XYZ color 67.0037, 74.8699, 12.9273 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

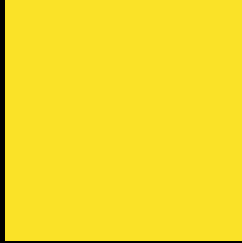
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.0037, 74.8699, 12.9273 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 67.0037, 74.8699, 12.9273**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.0037, 74.8699, 12.9273.



This preview shows how white text looks on a background with the XYZ color 67.0037, 74.8699,



# 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

67.0037, 74.8699, 12.9273

### Protanopia

67.8162, 74.8863, 12.8877

### Deuteranopia

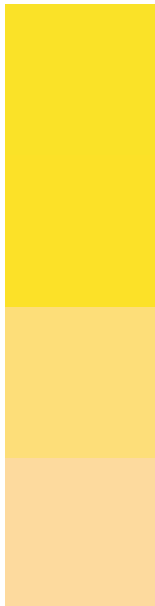
73.6394, 74.7502, 47.5928



## Tritanopia

79.0140, 74.8441, 82.2334

# Trichromacy



## Original Color

67.0037, 74.8699, 12.9273

## Protanomaly

67.4531, 74.6991, 12.8707

## Deuteranomaly

70.0805, 74.5057, 28.7766

## Tritanomaly

71.7510, 73.4941, 42.7518

# Monochromacy



## Original Color

67.0037, 74.8699, 12.9273

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.6017, 67.9644, 38.3055

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.0037, 74.8699, 12.9273 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(250, 226, 40)` looks like.

```
.text, #text, p{  
    color:rgb(250, 226, 40)  
}
```

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(250, 226, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 226, 40) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0037, 74.8699, 12.9273 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(250, 226, 40) }
```



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

```
.border{ border-color:rgb(250, 226, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 226, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 226, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 226, 40);  
box-shadow:4px 4px 4px 4px rgb(250, 226,  
40) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.0037, 74.8699, 12.9273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 226, 40) }
```

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

```
.background{ background-color: rgb(250,  
226, 40) }
```

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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