

# Converting Colors

XYZ(74.0129, 88.6987, 13.3848)

Have a look what the booklet for  
XYZ(74.0129, 88.6987, 13.3848)  
contains.

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# **Color**

**XYZ(74.0021, 88.8936,  
13.4301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFA06
RGB	251, 250, 6
RGB Percent	98%, 98%, 2%
CMY	0.0157, 0.0196, 0.9763
CMYK	0.00, 0.00, 0.98, 0.02
HSL	60°, 97%, 50%
HSV	60°, 98%, 98%
XYZ	74.0021, 88.8936, 13.4301
YIQ	222.4830, 78.9200, -75.6720

# Conversions

## Conversions Part 2

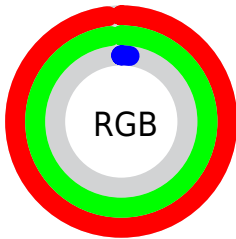
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	7, 251, 6
Decimal	16513542
CIE Lab	95.54, -20.78, 92.75
CIE LCh	96, 95.046, 102.628
Yxy	88.8936, 0.4197, 0.5041
Android (android.graphics.Color)	4294703622 (0xFFFBFA06)
YUV	222.4830, -106.7261, 25.0094
Hunter-Lab	94.2834, -24.8931, 57.5529

# Details

The XYZ color **74.0021, 88.8936, 13.4301** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **17.5643, 7.1565, 91.7215**, and the grayscale version is **70.4711, 74.1411, 80.7396**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **40.5270, 49.5307, 7.4244** is the 20% darker color. If you saturate the color by 10%, you get **73.9634, 88.8693, 13.2552**, and if you desaturate by 10%, it is **74.2518, 89.0474, 14.5802**.

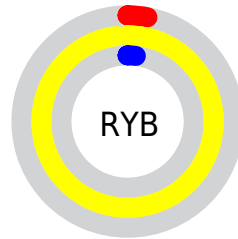
# Distribution



Red (98%)

Green (98%)

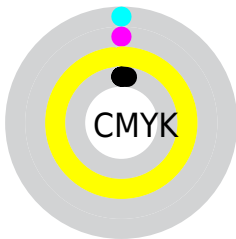
Blue (2%)



Red (3%)

Yellow (98%)

Blue (2%)

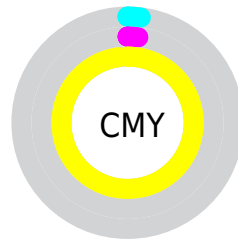


Cyan (0%)

Magenta (0%)

Yellow (98%)

Black (2%)



Cyan (2%)

Magenta (2%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0021, 88.8936, 13.4301 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 74.0021, 88.8936, 13.4301 by changing the saturation by 10% instead.





 74.0021, 88.8936,  
13.4301

 74.0021, 88.8936,  
13.4301


463.5308,  
524.4252, 224.9598


 55.0870, 67.0634,  
7.5912


 123.8943,  
145.8006, 32.7768

 39.7055, 49.1361,  
3.7505


 155.6021,  
181.6462, 47.1216


 27.4922, 34.7275,  
1.4895

 192.3049,  
222.9323, 65.1389

 18.0817, 23.4530,  
0.2101

 234.3680,  
270.0434, 87.2470

 11.1087, 14.9284,  
0.0000

 282.1568,  
323.3638, 113.8647

 6.2078, 8.7691,  
0.0000

 336.0366,

 3.0137, 4.5909,

383.2780, 145.4103

0.0000

396.3728,  
450.1703, 182.3025

■ 1.1610, 2.0093,  
0.0000

■ 0.0753, 0.6129,  
0.0000

■ 74.0021, 88.8936,  
13.4301

■ 74.0021, 88.8936,  
13.4301


■ 73.9634, 88.8693,  
13.2552


■ 74.2518, 89.0474,  
14.5802


■ 74.7539, 89.2988,  
17.0683


■ 75.5637, 89.6734,  
21.1770


■ 76.7218, 90.1872,  
27.1192

 78.2624, 90.8541,  
35.0756

 80.2157, 91.6861,  
45.2051

 82.6088, 92.6941,  
57.6510

 85.4668, 93.8880,  
72.5441

 88.8124, 95.2771,  
90.0057

# Harmonies

## Analogous

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



100.3534, 88.8936, 14.2712



74.0021, 88.8936, 13.4301



54.8946, 88.8936, 24.9409

# Triad

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



74.0021, 88.8936, 13.4301



52.7235, 88.8936, 230.1463



141.9077, 88.8936, 146.2748

# Complementary

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



74.0021, 88.8936, 13.4301



17.5643, 7.1565, 91.7215

# 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.



123.1745, 88.8936, 245.4383



74.0021, 88.8936, 13.4301



70.3944, 88.8936, 308.5269

# Square

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



74.0021, 88.8936, 13.4301



44.4183, 88.8936, 131.6774



95.9263, 88.8936, 315.2346



143.4301, 88.8936, 68.6830



# Rectangle

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



74.0021, 88.8936, 13.4301



47.3454, 88.8936, 44.6647



95.9263, 88.8936, 315.2346



137.2617, 88.8936, 178.9037

# Sweetspot

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



74.0041, 88.8978, 13.4319



85.2502, 95.9273, 57.7656



39.9043, 20.6623, 2.1756



18.0142, 20.4345, 11.1531



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.



74.0041, 88.8978, 13.4319



76.6714, 92.1229, 13.7405



44.1399, 73.9610, 12.1229



18.7211, 20.1780, 18.3704



38.8814, 46.7195, 6.9685



3.6030, 4.3308, 0.6460



# Inverse Universe

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



17.5643, 7.1565, 91.7215



18.0612, 7.2424, 95.0537



25.8532, 11.4136, 92.1064



16.2887, 16.6543, 21.7414



9.1611, 3.6777, 48.2006

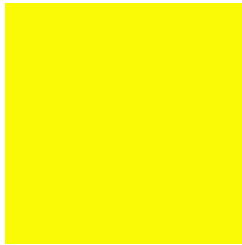


0.8504, 0.3445, 4.4648



# Previews

## White Background



This preview shows how the XYZ color 74.0021, 88.8936, 13.4301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

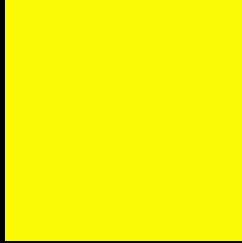
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.0021, 88.8936, 13.4301 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 74.0021, 88.8936, 13.4301

## Background



This preview shows how black text looks on a background with the XYZ color 74.0021, 88.8936, 13.4301.



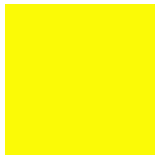
This preview shows how white text looks on a background with the XYZ color 74.0021, 88.8936,



# 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

74.0021, 88.8936, 13.4301



### Protanopia

82.3961, 88.5258, 62.0347



### Deuteranopia

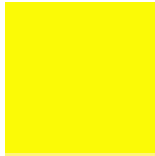
85.4512, 88.8006, 81.0431



## **Tritanopia**

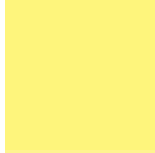
88.1587, 88.4822, 99.6211

# Trichromacy



## Original Color

74.0021, 88.8936, 13.4301



## Protanomaly

77.1635, 87.8309, 31.9549



## Deuteranomaly

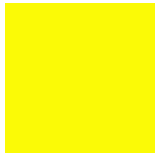
78.1817, 87.7554, 38.8045



## Tritanomaly

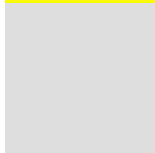
78.8832, 87.0783, 45.4511

# Monochromacy



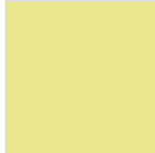
## Original Color

74.0021, 88.8936, 13.4301



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

67.4188, 77.0200, 37.2996

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0021, 88.8936, 13.4301 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(251, 250, 6)` looks like.

```
.text, #text, p{  
    color:rgb(251, 250, 6)  
}
```

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(251, 250, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 250, 6) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0021, 88.8936, 13.4301 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(251, 250, 6) }
```



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

```
.border{ border-color:rgb(251, 250, 6) }
```

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

Here you see how a box with a 4 pixel rgb(251, 250, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 250, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 250, 6);  
box-shadow:4px 4px 4px 4px rgb(251, 250,  
6) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0021, 88.8936, 13.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 250, 6) }
```

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

```
.background{ background-color: rgb(251,  
250, 6) }
```

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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