

# Converting Colors

XYZ(74.2302, 91.3312, 14.6647)

Have a look what the booklet for  
XYZ(74.2302, 91.3312, 14.6647)  
contains.

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# **Color**

**XYZ(74.3042, 91.3687,  
14.6970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FF1A
RGB	247, 255, 26
RGB Percent	97%, 100%, 10%
CMY	0.0314, 0.0000, 0.8980
CMYK	0.03, 0.00, 0.90, 0.00
HSL	62°, 100%, 55%
HSV	62°, 90%, 100%
XYZ	74.3042, 91.3687, 14.6970
YIQ	226.5020, 68.7410, -72.9150

# Conversions

## Conversions Part 2

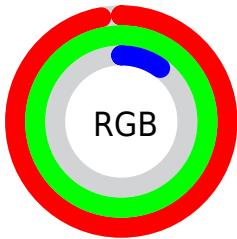
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	26, 255, 34
Decimal	16252698
CIE Lab	96.56, -24.57, 91.48
CIE LCh	97, 94.722, 105.037
Yxy	91.3687, 0.4120, 0.5066
Android (android.graphics.Color)	4294442778 (0xFF7FF1A)
YUV	226.5020, -98.8475, 17.9767
Hunter-Lab	95.5870, -28.5209, 57.7947

# Details

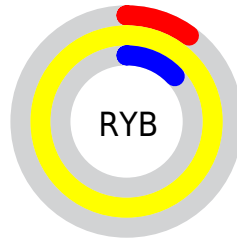
The XYZ color **74.3042, 91.3687, 14.6970** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **19.0802, 8.3001, 95.2042**, and the grayscale version is **73.3127, 77.1306, 83.9952**.

A 20% lighter version of the original color is **79.4482, 93.7593, 26.7419**, and **40.6731, 51.2860, 7.7555** is the 20% darker color. If you saturate the color by 10%, you get **73.8068, 91.1335, 13.7154**, and if you desaturate by 10%, it is **75.0415, 91.7000, 16.9372**.

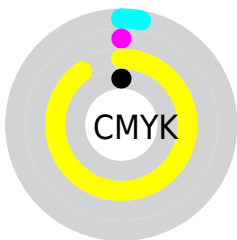
# Distribution



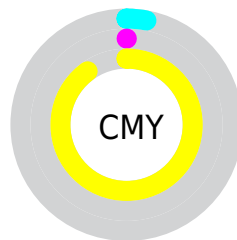
- Red (97%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (13%)



- Cyan (3%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3042, 91.3687, 14.6970 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 74.3042, 91.3687, 14.6970 by changing the saturation by 10% instead.





 74.3042, 91.3687,  
14.6970


 74.3042, 91.3687,  
14.6970


464.5567,  
532.4732, 233.1021

 55.3352, 69.1164,  
8.4628


 124.3201,  
149.2381, 35.0555

 39.9051, 50.8065,  
4.3005


 156.0978,  
185.6240, 50.0168


 27.6484, 36.0546,  
1.7916


 192.8757,  
227.4899, 68.7243

 18.1999, 24.4764,  
0.4224

 235.0192,  
275.2202, 91.5964

 11.1942, 15.6874,  
0.0000

 282.8937,  
329.1993, 119.0517

 6.2658, 9.3032,  
0.0000

336.8646,

 3.0496, 4.9395,

389.8116, 151.5087

0.0000

397.2971,  
457.4414, 189.3860

■ 1.1800, 2.2118,  
0.0000

■ 0.0905, 0.7264,  
0.0000

■ 74.3042, 91.3687,  
14.6970

■ 74.3042, 91.3687,  
14.6970

■ 73.8068, 91.1335,  
13.7154

■ 75.0415, 91.7000,  
16.9372

■ 73.7976, 91.1291,  
13.7001

■ 76.0892, 92.1556,  
20.8025

■ 77.4911, 92.7531,  
26.5251

■ 79.2841, 93.5072,  
34.2992

81.5003, 94.4308,  
44.2944

84.1688, 95.5355,  
56.6628

87.3157, 96.8317,  
71.5430

90.9654, 98.3292,  
89.0631

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



100.6490, 91.3687, 14.6834



74.3042, 91.3687, 14.6970



55.5967, 91.3687, 27.9694

# Triad

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



74.3042, 91.3687, 14.6970



55.6312, 91.3687, 242.2469



145.8327, 91.3687, 142.0347

# Complementary

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



74.3042, 91.3687, 14.6970



19.0802, 8.3001, 95.2042

# 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.



128.0326, 91.3687, 242.0062



74.3042, 91.3687, 14.6970



74.3614, 91.3687, 317.0020

# Square

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



74.3042, 91.3687, 14.6970



46.4011, 91.3687, 142.2653



100.7190, 91.3687, 316.8966



145.8086, 91.3687, 66.2759



# Rectangle

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



74.3042, 91.3687, 14.6970



48.4114, 91.3687, 49.8018



100.7190, 91.3687, 316.8966



141.5978, 91.3687, 174.4947

# Sweetspot

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



74.3041, 91.3687, 14.6982



84.9993, 95.8781, 60.5644



41.9888, 22.4590, 3.1005



17.9773, 20.4327, 11.9491



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.



74.3041, 91.3687, 14.6982



73.7976, 91.1291, 13.7001



45.6002, 76.5713, 13.3548



19.4948, 21.0565, 19.1812



38.5887, 47.6313, 7.1599



3.7761, 4.6474, 0.6980



# Inverse Universe

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



19.0802, 8.3001, 95.2042



18.1615, 7.2775, 95.0552



30.6585, 14.2689, 95.7460



17.0617, 17.4080, 22.7108



9.5152, 3.8157, 49.6696

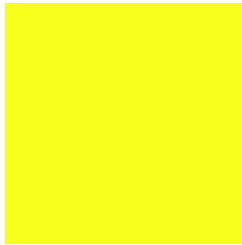


0.9462, 0.3817, 4.8371



# Previews

## White Background



This preview shows how the XYZ color 74.3042, 91.3687, 14.6970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

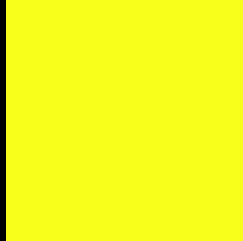
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3042, 91.3687, 14.6970 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 74.3042, 91.3687, 14.6970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.3042, 91.3687, 14.6970.



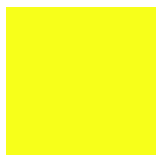
This preview shows how white text looks on a background with the XYZ color 74.3042, 91.3687,



# 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



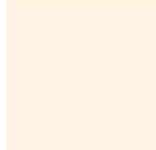
### Original Color

74.3042, 91.3687, 14.6970



### Protanopia

85.1549, 91.0698, 72.1216



### Deuteranopia

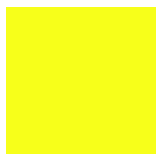
87.4334, 91.0183, 87.0888



## Tritanopia

89.9506, 91.0727, 103.2804

# Trichromacy



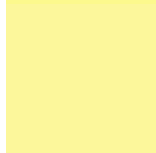
## Original Color

74.3042, 91.3687, 14.6970



## Protanomaly

78.8283, 90.3699, 38.4877



## Deuteranomaly

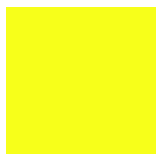
79.3220, 89.5835, 44.1210



## Tritanomaly

80.2621, 89.4716, 50.5756

# Monochromacy



## Original Color

74.3042, 91.3687, 14.6970



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

70.0486, 80.3939, 42.3975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3042, 91.3687, 14.6970 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(247, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 26)  
}
```

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(247, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 26) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3042, 91.3687, 14.6970 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(247, 255, 26) }
```



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

```
.border{ border-color:rgb(247, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
26) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3042, 91.3687, 14.6970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 26) }
```

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

```
.background{ background-color: rgb(247,  
255, 26) }
```

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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