

Converting Colors

XYZ(74.9498, 90.0631, 13.4336)

Have a look what the booklet for
XYZ(74.9498, 90.0631, 13.4336)
contains.

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Color

**XYZ(74.6421, 89.6898,
13.3778)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFB00
RGB	252, 251, 0
RGB Percent	99%, 98%, 0%
CMY	0.0118, 0.0157, 0.9998
CMYK	0.00, 0.00, 1.00, 0.01
HSL	60°, 100%, 49%
HSV	60°, 100%, 99%
XYZ	74.6421, 89.6898, 13.3778
YIQ	222.6850, 81.1670, -77.8490

Conversions

Conversions Part 2

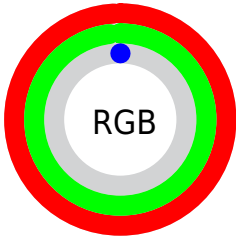
Format	Color
R _Y B	1, 252, 0
Decimal	16579328
CIE Lab	95.87, -20.89, 93.45
CIE LCh	96, 95.755, 102.600
Yxy	89.6898, 0.4200, 0.5047
Android (android.graphics.Color)	4294769408 (0xFFFCFB00)
YUV	222.6850, -109.7837, 25.7093
Hunter-Lab	94.7047, -25.0473, 57.9181

Details

The XYZ color **74.6421, 89.6898, 13.3778** 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 **17.5822, 7.0509, 92.5291**, and the grayscale version is **70.6352, 74.3137, 80.9276**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **41.0010, 50.1066, 7.5106** is the 20% darker color. If you saturate the color by 10%, you get **74.6439, 89.6938, 13.3785**, and if you desaturate by 10%, it is **74.8530, 89.8272, 14.3265**.

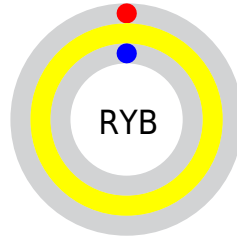
Distribution



Red (99%)

Green (98%)

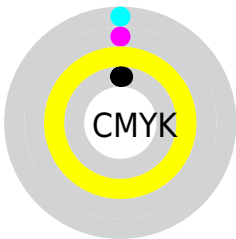
Blue (0%)



Red (0%)

Yellow (99%)

Blue (0%)

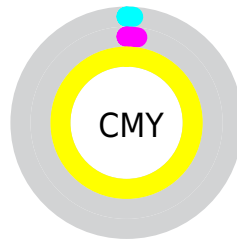


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.6421, 89.6898, 13.3778 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 74.6421, 89.6898, 13.3778 by changing the saturation by 10% instead.


 74.6421, 89.6898,
13.3778


 74.6421, 89.6898,
13.3778


465.7027,
527.0213, 224.6172


 55.6129, 67.7234,
7.5554


 124.7962,
146.9074, 32.6820

 40.1284, 49.6727,
3.7282


 156.6518,
182.9275, 47.0008


 27.8233, 35.1534,
1.4774


 193.5136,
224.4008, 64.9889

 18.3323, 23.7811,
0.2010

 235.7470,
271.7119, 87.0648

 11.2900, 15.1713,
0.0000

 283.7172,
325.2451, 113.6471

 6.3309, 8.9397,
0.0000

 337.7896,

 3.0899, 4.7019,

385.3848, 145.1542

0.0000

398.3297,
452.5154, 182.0047

■ 1.2015, 2.0734,
0.0000

■ 0.1075, 0.6496,
0.0000

■ 74.6421, 89.6898,
13.3778

■ 74.6421, 89.6898,
13.3778

■ 74.6439, 89.6938,
13.3785

■ 74.8530, 89.8272,
14.3265

■ 75.2912, 90.0521,
16.4810

■ 76.0290, 90.3969,
20.2130

■ 77.1091, 90.8787,
25.7477

■ 78.5675, 91.5118,
33.2743

■ 80.4356, 92.3087,
42.9577

■ 82.7413, 93.2808,
54.9461

■ 85.5104, 94.4383,
69.3744

■ 88.7665, 95.7905,
86.3669

Harmonies

Analogous

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



101.3546, 89.6898, 14.2334



74.6421, 89.6898, 13.3778



55.2854, 89.6898, 24.9526

Triad

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



74.6421, 89.6898, 13.3778



53.0621, 89.6898, 232.8946



143.4729, 89.6898, 147.9297

Complementary

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



74.6421, 89.6898, 13.3778



17.5822, 7.0509, 92.5291

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.



124.4507, 89.6898, 248.6130



74.6421, 89.6898, 13.3778



70.9441, 89.6898, 312.5825

Square

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



74.6421, 89.6898, 13.3778



44.6693, 89.6898, 132.9444



96.8126, 89.6898, 319.4812



145.0364, 89.6898, 69.2414

Rectangle

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



74.6421, 89.6898, 13.3778



47.6411, 89.6898, 44.8495



96.8126, 89.6898, 319.4812



138.7525, 89.6898, 181.0503

Sweetspot

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



74.6441, 89.6940, 13.3796



84.9901, 95.8224, 56.3993



40.1682, 20.7054, 2.0012



17.9655, 20.4150, 10.8967



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.



74.6441, 89.6940, 13.3796



76.6804, 92.1408, 13.7435



44.0498, 74.3835, 12.0369



18.7212, 20.1783, 18.3705



38.8859, 46.7285, 6.9700



3.6034, 4.3316, 0.6462

Inverse Universe

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



17.5822, 7.0509, 92.5291



18.0609, 7.2418, 95.0536



25.5715, 11.1535, 92.8999



16.2886, 16.6540, 21.7413



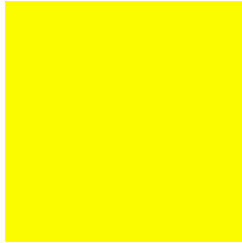
9.1608, 3.6772, 48.2005



0.8503, 0.3443, 4.4648

Previews

White Background



This preview shows how the XYZ color 74.6421, 89.6898, 13.3778 looks on a white background.

Color Contrast Check

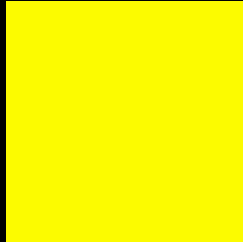
Large Text (above 18pt) WCAG AA × Fail

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 74.6421, 89.6898, 13.3778 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 74.6421, 89.6898, 13.3778

Background



This preview shows how black text looks on a background with the XYZ color 74.6421, 89.6898, 13.3778.

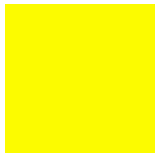


This preview shows how white text looks on a background with the XYZ color 74.6421, 89.6898,

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



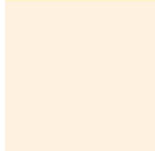
Original Color

74.6421, 89.6898, 13.3778



Protanopia

83.3686, 89.3924, 65.6838



Deuteranopia

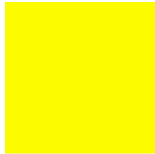
86.1498, 89.5524, 83.2658



Tritanopia

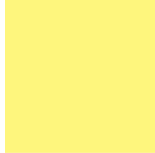
88.8950, 89.7084, 100.6259

Trichromacy



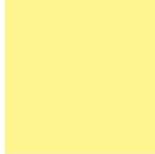
Original Color

74.6421, 89.6898, 13.3778



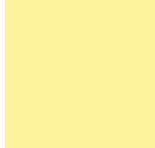
Protanomaly

77.5305, 88.4630, 32.3908



Deuteranomaly

78.4834, 88.3588, 38.9050



Tritanomaly

79.0094, 87.6063, 44.6438

Monochromacy



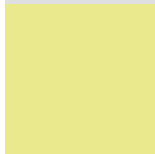
Original Color

74.6421, 89.6898, 13.3778



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.9531, 77.7232, 37.0118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6421, 89.6898, 13.3778 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(252, 251, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 251, 0)  
}
```

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(252, 251, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 251, 0) }
```

Border

The CSS property to change the border of an element to XYZ 74.6421, 89.6898, 13.3778 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(252, 251, 0) }
```


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

```
.border{ border-color:rgb(252, 251, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 251, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 251, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 251, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 251,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6421, 89.6898, 13.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 251, 0) }
```

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

```
.background{ background-color: rgb(252,  
251, 0) }
```

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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