

# Converting Colors

XYZ(75.1677, 89.1154, 13.2392)

Have a look what the booklet for  
XYZ(75.1677, 89.1154, 13.2392)  
contains.

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# **Color**

**XYZ(75.1157, 89.0114,  
13.2219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF900
RGB	255, 249, 0
RGB Percent	100%, 98%, 0%
CMY	0.0000, 0.0235, 0.9998
CMYK	0.00, 0.02, 1.00, 0.00
HSL	59°, 100%, 50%
HSV	59°, 100%, 100%
XYZ	75.1157, 89.0114, 13.2219
YIQ	222.4080, 83.5050, -76.1670

# Conversions

## Conversions Part 2

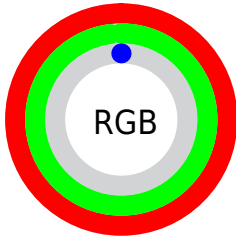
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 255, 0
Decimal	16775424
CIELab	95.59, -18.70, 93.35
CIELCh	96, 95.203, 101.325
Yxy	89.0114, 0.4235, 0.5019
Android (android.graphics.Color)	4294965504 (0xFFFFFFFF900)
YUV	222.4080, -109.6471, 28.5832
Hunter-Lab	94.3459, -22.9882, 57.7330

# Details

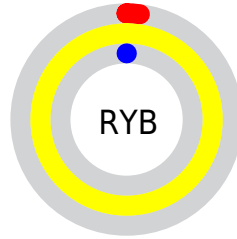
The XYZ color **75.1157, 89.0114, 13.2219** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.1158, 7.3511, 95.0711**, and the grayscale version is **70.4357, 74.1038, 80.6990**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **41.0623, 49.4774, 7.3859** is the 20% darker color. If you saturate the color by 10%, you get **75.1172, 89.0149, 13.2225**, and if you desaturate by 10%, it is **75.4844, 89.4591, 14.2393**.

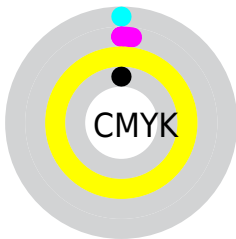
# Distribution



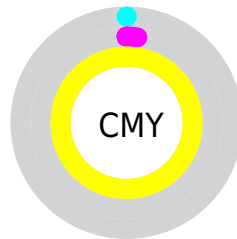
- Red (100%)
- Green (98%)
- Blue (0%)



- Red (2%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1157, 89.0114, 13.2219 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 75.1157, 89.0114, 13.2219 by changing the saturation by 10% instead.




 75.1157, 89.0114,  
13.2219

 75.1157, 89.0114,  
13.2219


467.3062,  
524.8097, 223.5925


 56.0022, 67.1610,  
7.4490


 125.4632,  
145.9644, 32.3989

 40.4417, 49.2155,  
3.6618


 157.4278,  
181.8358, 46.6400


 28.0688, 34.7904,  
1.4417


 194.4069,  
223.1497, 64.5410

 18.5183, 23.5015,  
0.1739

 236.7658,  
270.2904, 86.5204

 11.4247, 14.9642,  
0.0000

 284.8698,  
323.6424, 112.9967

 6.4226, 8.7943,  
0.0000

 339.0843,

 3.1468, 4.6073,

383.5900, 144.3885

0.0000

399.7746,  
450.5176, 181.1142

■ 1.2319, 2.0187,  
0.0000

■ 0.1313, 0.6183,  
0.0000

■ 75.1157, 89.0114,  
13.2219

■ 75.1157, 89.0114,  
13.2219

■ 75.1172, 89.0149,  
13.2225

■ 75.4844, 89.4591,  
14.2393

■ 76.0876, 89.9982,  
16.4975

■ 76.9992, 90.6617,  
20.3771

■ 78.2634, 91.4671,  
26.1103

■ 79.9171, 92.4292,  
33.8915

■ 81.9926, 93.5610,  
43.8910

■ 84.5188, 94.8740,  
56.2611

■ 87.5221, 96.3789,  
71.1405

■ 91.0268, 98.0853,  
88.6576

# Harmonies

## Analogous

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



101.7301, 89.0114, 14.5278



75.1157, 89.0114, 13.2219



55.5759, 89.0114, 24.0479

# Triad

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



75.1157, 89.0114, 13.2219



52.2051, 89.0114, 226.3517



141.6783, 89.0114, 150.6737

# Complementary

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



75.1157, 89.0114, 13.2219



18.1158, 7.3511, 95.0711

# 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.



122.3014, 89.0114, 250.0950



75.1157, 89.0114, 13.2219



69.5143, 89.0114, 307.1049

# Square

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



75.1157, 89.0114, 13.2219



44.2846, 89.0114, 128.0067



94.8566, 89.0114, 317.5192



144.0420, 89.0114, 71.3210



# Rectangle

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



75.1157, 89.0114, 13.2219



47.7372, 89.0114, 42.9749



94.8566, 89.0114, 317.5192



136.7771, 89.0114, 183.6480

# Sweetspot

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



75.1177, 89.0156, 13.2237



84.5153, 94.8727, 56.2410



41.2868, 21.2794, 2.1764



17.8497, 20.1833, 10.8581



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.



75.1177, 89.0156, 13.2237



75.1178, 89.0157, 13.2226



45.9161, 76.7552, 12.3963



19.5225, 21.0131, 19.1713



39.2672, 46.5457, 6.9146



3.8345, 4.5543, 0.6770



# Inverse Universe

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



18.1158, 7.3511, 95.0711



18.1150, 7.3501, 95.0717



25.6608, 11.1441, 95.4055



17.0372, 17.4461, 22.7194



9.4803, 3.8702, 49.6819

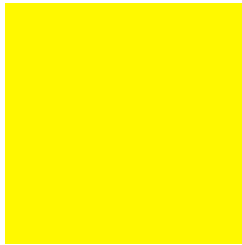


0.9346, 0.3998, 4.8412



# Previews

## White Background



This preview shows how the XYZ color 75.1157, 89.0114, 13.2219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

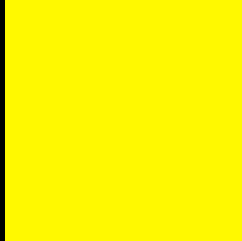
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1157, 89.0114, 13.2219 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 75.1157, 89.0114, 13.2219**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1157, 89.0114, 13.2219.



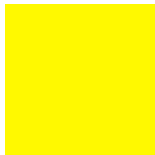
This preview shows how white text looks on a background with the XYZ color 75.1157, 89.0114,



# Color Blindness Simulation

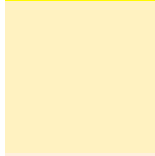
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.1157, 89.0114, 13.2219



### Protanopia

82.6178, 88.6145, 63.2020



### Deuteranopia

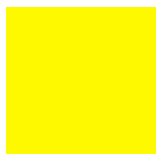
85.5849, 88.8541, 81.7470



## Tritanopia

88.2960, 89.0016, 98.9115

# Trichromacy



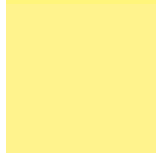
## Original Color

75.1157, 89.0114, 13.2219



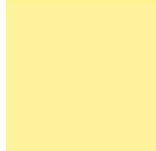
## Protanomaly

77.4676, 87.9949, 31.6406



## Deuteranomaly

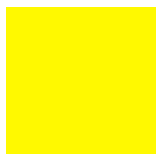
78.0983, 87.2843, 37.9306



## Tritanomaly

78.9929, 87.1646, 44.1136

# Monochromacy



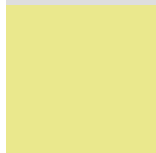
## Original Color

75.1157, 89.0114, 13.2219



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

67.5960, 77.1287, 36.5239

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1157, 89.0114, 13.2219 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(255, 249, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 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(255, 249, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1157, 89.0114, 13.2219 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(255, 249, 0) }
```



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

```
.border{ border-color:rgb(255, 249, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1157, 89.0114, 13.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 0) }
```

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

```
.background{ background-color: rgb(255,  
249, 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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