

Converting Colors

XYZ(75.6587, 90.0978, 13.4033)

Have a look what the booklet for
XYZ(75.6587, 90.0978, 13.4033)
contains.

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Color

**XYZ(75.7372, 90.2544,
13.4291)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB00
RGB	255, 251, 0
RGB Percent	100%, 98%, 0%
CMY	0.0000, 0.0157, 0.9998
CMYK	0.00, 0.02, 1.00, 0.00
HSL	59°, 100%, 50%
HSV	59°, 100%, 100%
XYZ	75.7372, 90.2544, 13.4291
YIQ	223.5820, 82.9550, -77.2130

Conversions

Conversions Part 2

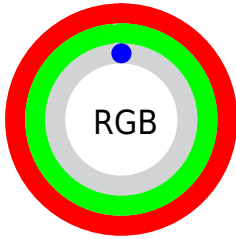
Format	Color
R _Y B	4, 255, 0
Decimal	16775936
CIE Lab	96.10, -19.65, 93.73
CIE LCh	96, 95.764, 101.842
Yxy	90.2544, 0.4221, 0.5030
Android (android.graphics.Color)	4294966016 (0xFFFFFB00)
YUV	223.5820, -110.2259, 27.5536
Hunter-Lab	95.0023, -23.9513, 58.1207

Details

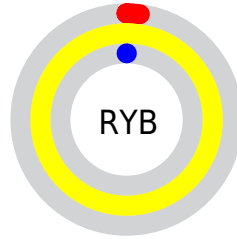
The XYZ color **75.7372, 90.2544, 13.4291** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.0941, 7.3077, 95.0638**, and the grayscale version is **71.2788, 74.9909, 81.6651**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **41.5074, 50.3677, 7.5343** is the 20% darker color. If you saturate the color by 10%, you get **75.7388, 90.2582, 13.4297**, and if you desaturate by 10%, it is **76.0452, 90.5808, 14.4264**.

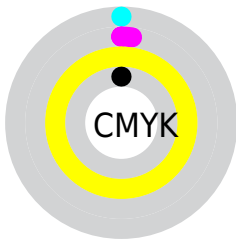
Distribution



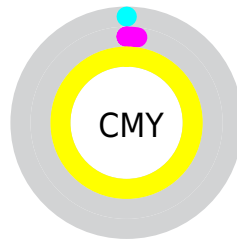
- Red (100%)
- Green (98%)
- Blue (0%)



- 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 75.7372, 90.2544, 13.4291 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 75.7372, 90.2544, 13.4291 by changing the saturation by 10% instead.


 75.7372, 90.2544,
13.4291


 75.7372, 90.2544,
13.4291


469.4058,
528.8581, 224.9533

 56.5133, 68.1917,
7.5905


 126.3377,
147.6917, 32.7750


 40.8533, 50.0537,
3.7501


 158.4450,
183.8351, 47.1193


 28.3916, 35.4560,
1.4893


 195.5776,
225.4408, 65.1360

 18.7630, 24.0144,
0.2099

 238.1007,
272.8932, 87.2436

 11.6022, 15.3443,
0.0000

 286.3797,
326.5767, 113.8605

 6.5437, 9.0614,
0.0000

 340.7800,

 3.2222, 4.7812,

386.8758, 145.4054

0.0000

401.6669,
454.1748, 182.2968

■ 1.2723, 2.1195,
0.0000

■ 0.1623, 0.6756,
0.0000

■ 75.7372, 90.2544,
13.4291

■ 75.7372, 90.2544,
13.4291


■ 75.7388, 90.2582,
13.4297


■ 76.0452, 90.5808,
14.4264


■ 76.5874, 90.9979,
16.6644


■ 77.4378, 91.5387,
20.5237


■ 78.6403, 92.2208,
26.2364

 80.2320, 93.0589,
33.9971

 82.2452, 94.0661,
43.9760

 84.7088, 95.2538,
56.3253

 87.6492, 96.6327,
71.1840

 91.0906, 98.2125,
88.6802

Harmonies

Analogous

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



102.6806, 90.2544, 14.5647



75.7372, 90.2544, 13.4291



56.0603, 90.2544, 24.6761

Triad

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



75.7372, 90.2544, 13.4291



53.1210, 90.2544, 231.4673



143.9476, 90.2544, 151.1832

Complementary

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



75.7372, 90.2544, 13.4291



18.0941, 7.3077, 95.0638

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.



124.5042, 90.2544, 252.2024



75.7372, 90.2544, 13.4291



70.8509, 90.2544, 312.6684

Square

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



75.7372, 90.2544, 13.4291



44.9223, 90.2544, 131.3991



96.6824, 90.2544, 321.7656



146.0111, 90.2544, 71.2401

Rectangle

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



75.7372, 90.2544, 13.4291



48.2161, 90.2544, 44.2012



96.6824, 90.2544, 321.7656



139.0666, 90.2544, 184.5761

Sweetspot

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



75.7392, 90.2586, 13.4309



84.7053, 95.2526, 56.3043



41.2636, 21.2701, 2.0539



17.8960, 20.2760, 10.8735



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.



75.7392, 90.2586, 13.4309



75.7395, 90.2589, 13.4298



45.2395, 76.4064, 12.3647



19.5354, 21.0390, 19.1756



39.5866, 47.1845, 7.0211



3.8619, 4.6092, 0.6861

Inverse Universe

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



18.0941, 7.3077, 95.0638



18.0933, 7.3067, 95.0644



26.2574, 11.4517, 95.4334



17.0258, 17.4233, 22.7156



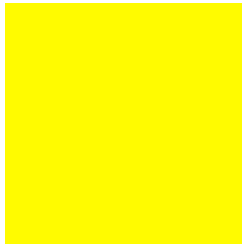
9.4640, 3.8376, 49.6765



0.9291, 0.3890, 4.8394

Previews

White Background



This preview shows how the XYZ color 75.7372, 90.2544, 13.4291 looks on a white background.

Color Contrast Check

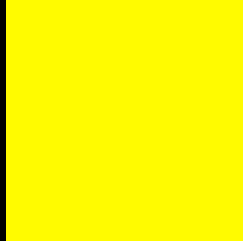
Large Text (above 18pt) WCAG AA × Fail

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 75.7372, 90.2544, 13.4291 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 75.7372, 90.2544, 13.4291

Background



This preview shows how black text looks on a background with the XYZ color 75.7372, 90.2544, 13.4291.

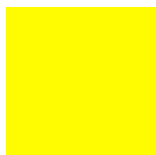


This preview shows how white text looks on a background with the XYZ color 75.7372, 90.2544,

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



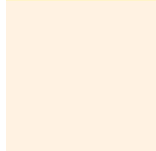
Original Color

75.7372, 90.2544, 13.4291



Protanopia

84.1333, 90.1784, 68.2302



Deuteranopia

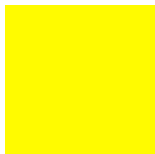
86.7196, 90.2552, 84.8019



Tritanopia

89.1886, 90.2956, 100.7237

Trichromacy



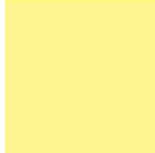
Original Color

75.7372, 90.2544, 13.4291



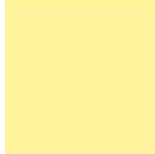
Protanomaly

78.3970, 89.3400, 33.5345



Deuteranomaly

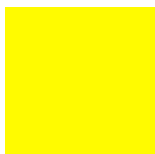
78.9264, 88.5784, 39.3230



Tritanomaly

79.6765, 88.3957, 44.7610

Monochromacy



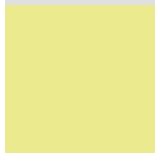
Original Color

75.7372, 90.2544, 13.4291



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.6417, 78.4910, 37.5191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7372, 90.2544, 13.4291 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, 251, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 251, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 0) }
```

Border

The CSS property to change the border of an element to XYZ 75.7372, 90.2544, 13.4291 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, 251, 0) }
```


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

```
.border{ border-color:rgb(255, 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(255, 251, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7372, 90.2544, 13.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 0) }
```

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

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