

Converting Colors

XYZ(74.7487, 91.6194, 13.7446)

Have a look what the booklet for
XYZ(74.7487, 91.6194, 13.7446)
contains.

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Color

**XYZ(74.8269, 91.6597,
13.7483)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FF00
RGB	249, 255, 0
RGB Percent	98%, 100%, 0%
CMY	0.0235, 0.0000, 0.9998
CMYK	0.02, 0.00, 1.00, 0.00
HSL	61°, 100%, 50%
HSV	61°, 100%, 100%
XYZ	74.8269, 91.6597, 13.7483
YIQ	224.1360, 78.2790, -80.5770

Conversions

Conversions Part 2

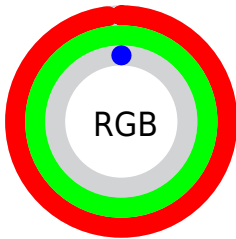
Format	Color
RYB	0, 255, 6
Decimal	16383744
CIELab	96.68, -24.01, 93.94
CIELCh	97, 96.961, 104.338
Yxy	91.6597, 0.4152, 0.5086
Android (android.graphics.Color)	4294573824 (0xFFFF9FF00)
YUV	224.1360, -110.4990, 21.8057
Hunter-Lab	95.7391, -28.0329, 58.5032

Details

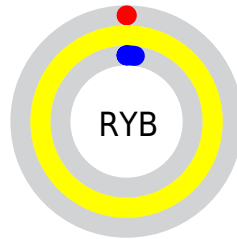
The XYZ color **74.8269, 91.6597, 13.7483** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.1261, 7.2599, 95.0537**, and the grayscale version is **71.6780, 75.4108, 82.1224**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **41.1625, 51.5382, 7.7784** is the 20% darker color. If you saturate the color by 10%, you get **74.8263, 91.6594, 13.7483**, and if you desaturate by 10%, it is **75.2222, 91.8426, 14.7133**.

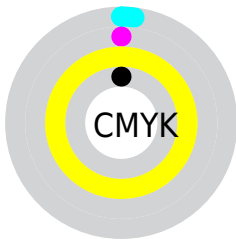
Distribution



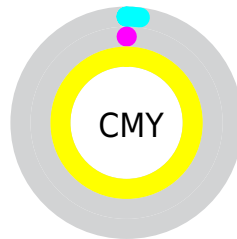
- Red (98%)
- Green (100%)
- Blue (0%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8269, 91.6597, 13.7483 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 74.8269, 91.6597, 13.7483 by changing the saturation by 10% instead.


 74.8269, 91.6597,
13.7483

 74.8269, 91.6597,
13.7483


466.3287,
533.4151, 227.0330

 55.7648, 69.3580,
7.8091


 125.0565,
149.6417, 33.3524

 40.2506, 51.0033,
3.8870


 156.9547,
186.0907, 47.8544


 27.9191, 36.2113,
1.5636


 193.8623,
228.0244, 66.0477

 18.4048, 24.5974,
0.2646

 236.1447,
275.8270, 88.3509

 11.3425, 15.7774,
0.0000

 284.1671,
329.8830, 115.1825

 6.3667, 9.3667,
0.0000

 338.2951,

 3.1121, 4.9812,

390.5767, 146.9610

0.0000

398.8938,
458.2927, 184.1050

■ 1.2133, 2.2362,
0.0000

■ 0.1168, 0.7396,
0.0000

■ 74.8269, 91.6597,
13.7483

■ 74.8269, 91.6597,
13.7483

■ 74.8263, 91.6594,
13.7483

■ 75.2222, 91.8426,
14.7133

■ 75.8543, 92.1202,
16.9197

■ 76.7949, 92.5214,
20.7473

■ 78.0881, 93.0637,
26.4283

■ 79.7710, 93.7619,
34.1574

■ 81.8757, 94.6289,
44.1045

■ 84.4313, 95.6764,
56.4220

■ 87.4641, 96.9148,
71.2489

■ 90.9984, 98.3539,
88.7132

Harmonies

Analogous

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



101.9780, 91.6597, 13.9880



74.8269, 91.6597, 13.7483



55.5054, 91.6597, 26.5371

Triad

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



74.8269, 91.6597, 13.7483



54.8767, 91.6597, 244.8995



147.6347, 91.6597, 145.8208

Complementary

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



74.8269, 91.6597, 13.7483



18.1261, 7.2599, 95.0537

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.



128.9098, 91.6597, 249.3673



74.8269, 91.6597, 13.7483



73.7798, 91.6597, 323.9013

Square

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



74.8269, 91.6597, 13.7483



45.7157, 91.6597, 141.5692



100.6903, 91.6597, 325.8638



148.0786, 91.6597, 67.1818

Rectangle

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



74.8269, 91.6597, 13.7483



48.0450, 91.6597, 48.0690



100.6903, 91.6597, 325.8638



143.1201, 91.6597, 179.5074

Sweetspot

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



74.8268, 91.6597, 13.7495



84.4269, 95.6746, 56.4004



41.2868, 21.3532, 1.9467



17.8281, 20.3789, 10.8970



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.



74.8268, 91.6597, 13.7495



74.8263, 91.6594, 13.7483



43.9674, 75.7511, 12.3053



19.5165, 21.0677, 19.1822



39.1174, 47.9039, 7.1847



3.8216, 4.6709, 0.7001

Inverse Universe

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



18.1261, 7.2599, 95.0537



18.1251, 7.2587, 95.0535



27.5302, 12.1079, 95.4938



17.0425, 17.3981, 22.7099



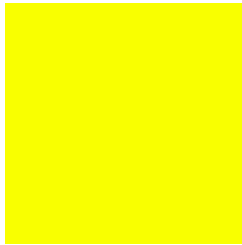
9.4879, 3.8017, 49.6683



0.9371, 0.3770, 4.8367

Previews

White Background



This preview shows how the XYZ color 74.8269, 91.6597, 13.7483 looks on a white background.

Color Contrast Check

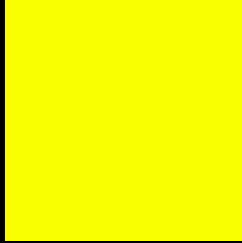
Large Text (above 18pt) WCAG AA × Fail

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 74.8269, 91.6597, 13.7483 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 74.8269, 91.6597, 13.7483

Background



This preview shows how black text looks on a background with the XYZ color 74.8269, 91.6597, 13.7483.

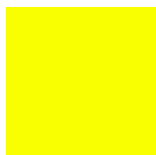


This preview shows how white text looks on a background with the XYZ color 74.8269, 91.6597,

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



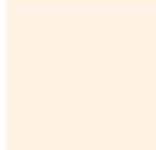
Original Color

74.8269, 91.6597, 13.7483



Protanopia

85.4010, 91.1683, 73.4177



Deuteranopia

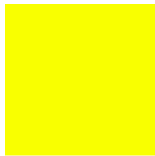
87.8736, 91.6745, 87.9264



Tritanopia

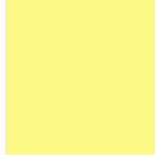
90.2474, 91.6664, 103.3793

Trichromacy



Original Color

74.8269, 91.6597, 13.7483



Protanomaly

78.6173, 90.3275, 35.4817



Deuteranomaly

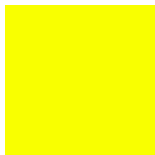
79.2637, 90.0928, 40.4061



Tritanomaly

80.0268, 89.9074, 45.9369

Monochromacy



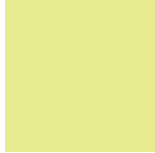
Original Color

74.8269, 91.6597, 13.7483



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.2705, 78.7235, 37.5835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8269, 91.6597, 13.7483 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(249, 255, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 74.8269, 91.6597, 13.7483 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(249, 255, 0) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 74.8269, 91.6597, 13.7483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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