

Converting Colors

XYZ(74.1805, 91.3265, 13.7181)

Have a look what the booklet for
XYZ(74.1805, 91.3265, 13.7181)
contains.

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Color

**XYZ(74.1178, 91.2942,
13.7151)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FF00
RGB	247, 255, 0
RGB Percent	97%, 100%, 0%
CMY	0.0314, 0.0000, 0.9998
CMYK	0.03, 0.00, 1.00, 0.00
HSL	62°, 100%, 50%
HSV	62°, 100%, 100%
XYZ	74.1178, 91.2942, 13.7151
YIQ	223.5380, 77.0870, -81.0010

Conversions

Conversions Part 2

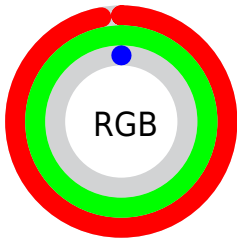
Format	Color
RYB	0, 255, 8
Decimal	16252672
CIELab	96.53, -24.83, 93.76
CIELCh	97, 96.995, 104.832
Yxy	91.2942, 0.4138, 0.5097
Android (android.graphics.Color)	4294442752 (0xFFFF7FF00)
YUV	223.5380, -110.2042, 20.5762
Hunter-Lab	95.5480, -28.7443, 58.3730

Details

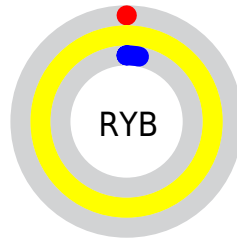
The XYZ color **74.1178, 91.2942, 13.7151** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.1511, 7.2727, 95.0549**, and the grayscale version is **71.2472, 74.9576, 81.6288**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **40.6731, 51.2860, 7.7555** is the 20% darker color. If you saturate the color by 10%, you get **74.1170, 91.2938, 13.7151**, and if you desaturate by 10%, it is **74.5816, 91.5123, 14.6833**.

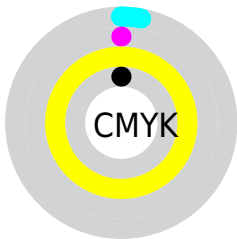
Distribution



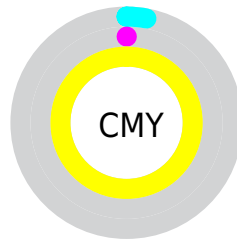
- Red (97%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (3%)



- Cyan (3%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.1178, 91.2942, 13.7151 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 74.1178, 91.2942, 13.7151 by changing the saturation by 10% instead.


 74.1178, 91.2942,
13.7151

 74.1178, 91.2942,
13.7151


463.9239,
532.2319, 226.8176


 55.1821, 69.0545,
7.7863


 124.0574,
149.1348, 33.2925

 39.7819, 50.7561,
3.8727


 155.7920,
185.5045, 47.7781


 27.5520, 36.0146,
1.5558


 192.5235,
227.3531, 65.9531

 18.1270, 24.4454,
0.2590

 234.6175,
275.0648, 88.2361

 11.1414, 15.6644,
0.0000

 282.4391,
329.0242, 115.0454

 6.2300, 9.2870,
0.0000

 336.3538,

 3.0274, 4.9288,

389.6156, 146.7998

0.0000

396.7270,
457.2233, 183.9177

■ 1.1683, 2.2056,
0.0000

■ 0.0811, 0.7230,
0.0000

■ 74.1178, 91.2942,
13.7151

■ 74.1178, 91.2942,
13.7151

■ 74.1170, 91.2938,
13.7151

■ 74.5816, 91.5123,
14.6833

■ 75.2827, 91.8256,
16.8929

■ 76.2929, 92.2626,
20.7237

■ 77.6563, 92.8411,
26.4079

79.4098, 93.5757,
34.1402

81.5857, 94.4794,
44.0905

84.2129, 95.5638,
56.4113

87.3179, 96.8395,
71.2415

90.9250, 98.3161,
88.7091

Harmonies

Analogous

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



101.1183, 91.2942, 13.7758



74.1178, 91.2942, 13.7151



55.0030, 91.2942, 26.7310

Triad

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



74.1178, 91.2942, 13.7151



54.8434, 91.2942, 245.9095



147.3350, 91.2942, 143.7380

Complementary

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



74.1178, 91.2942, 13.7151



18.1511, 7.2727, 95.0549

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.



128.8901, 91.2942, 247.0454



74.1178, 91.2942, 13.7151



73.8519, 91.2942, 323.8871

Square

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



74.1178, 91.2942, 13.7151



45.5519, 91.2942, 142.6576



100.7912, 91.2942, 324.3861



147.4479, 91.2942, 65.9172

Rectangle

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



74.1178, 91.2942, 13.7151



47.6714, 91.2942, 48.5261



100.7912, 91.2942, 324.3861



142.9271, 91.2942, 177.2414

Sweetspot

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



74.1177, 91.2941, 13.7162



84.2085, 95.5620, 56.3902



41.2868, 21.3532, 1.9467



17.7749, 20.3515, 10.8945



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.



74.1177, 91.2941, 13.7162



74.1170, 91.2938, 13.7151



43.9674, 75.7510, 12.3052



19.5015, 21.0600, 19.1815



38.7529, 47.7160, 7.1676



3.7903, 4.6547, 0.6987

Inverse Universe

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



18.1511, 7.2727, 95.0549



18.1502, 7.2716, 95.0547



27.5301, 12.1078, 95.4938



17.0557, 17.4049, 22.7105



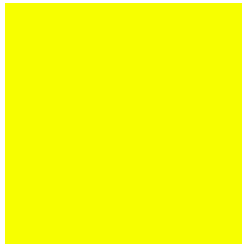
9.5066, 3.8113, 49.6692



0.9434, 0.3802, 4.8369

Previews

White Background



This preview shows how the XYZ color 74.1178, 91.2942, 13.7151 looks on a white background.

Color Contrast Check

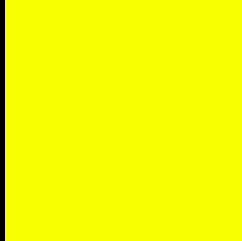
Large Text (above 18pt) WCAG AA × Fail

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 74.1178, 91.2942, 13.7151 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 74.1178, 91.2942, 13.7151

Background



This preview shows how black text looks on a background with the XYZ color 74.1178, 91.2942, 13.7151.

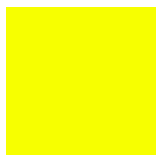


This preview shows how white text looks on a background with the XYZ color 74.1178, 91.2942,

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



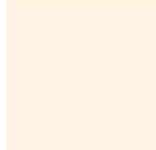
Original Color

74.1178, 91.2942, 13.7151



Protanopia

85.1549, 91.0698, 72.1216



Deuteranopia

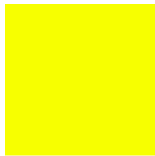
87.4334, 91.0183, 87.0888



Tritanopia

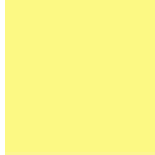
89.9506, 91.0727, 103.2804

Trichromacy



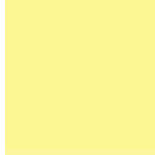
Original Color

74.1178, 91.2942, 13.7151



Protanomaly

78.1854, 90.1128, 35.1025



Deuteranomaly

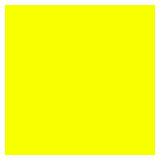
78.5940, 89.2923, 40.2869



Tritanomaly

79.3587, 89.1102, 45.8182

Monochromacy



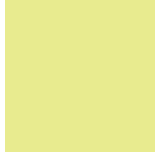
Original Color

74.1178, 91.2942, 13.7151



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.9450, 78.5556, 37.5683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.1178, 91.2942, 13.7151 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 74.1178, 91.2942, 13.7151 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, 0) }
```


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

```
.border{ border-color:rgb(247, 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(247, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 74.1178, 91.2942, 13.7151 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, 0) }
```

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

```
.background{ background-color: rgb(247,  
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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