

Converting Colors

XYZ(75.4145, 91.9626, 13.7758)

Have a look what the booklet for
XYZ(75.4145, 91.9626, 13.7758)
contains.

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Color

**XYZ(75.5437, 92.0292,
13.7818)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFF00
RGB	251, 255, 0
RGB Percent	98%, 100%, 0%
CMY	0.0157, 0.0000, 0.9998
CMYK	0.02, 0.00, 1.00, 0.00
HSL	61°, 100%, 50%
HSV	61°, 100%, 100%
XYZ	75.5437, 92.0292, 13.7818
YIQ	224.7340, 79.4710, -80.1530

Conversions

Conversions Part 2

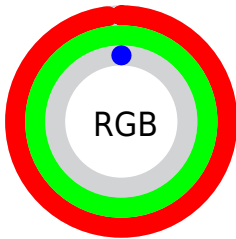
Format	Color
RYB	0, 255, 4
Decimal	16514816
CIELab	96.83, -23.19, 94.12
CIELCh	97, 96.936, 103.844
Yxy	92.0292, 0.4166, 0.5075
Android (android.graphics.Color)	4294704896 (0xFFFBFF00)
YUV	224.7340, -110.7939, 23.0353
Hunter-Lab	95.9319, -27.3169, 58.6346

Details

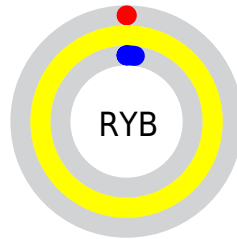
The XYZ color **75.5437, 92.0292, 13.7818** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.1010, 7.2469, 95.0525**, and the grayscale version is **72.1102, 75.8656, 82.6176**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **41.6586, 51.7940, 7.8016** is the 20% darker color. If you saturate the color by 10%, you get **75.5432, 92.0290, 13.7818**, and if you desaturate by 10%, it is **75.8691, 92.1760, 14.7435**.

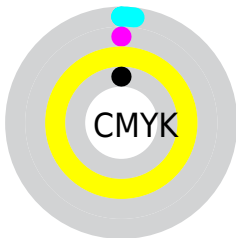
Distribution



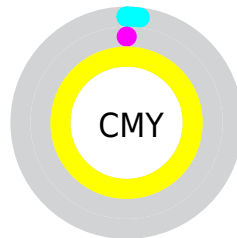
- Red (98%)
- Green (100%)
- Blue (0%)



- 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 75.5437, 92.0292, 13.7818 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 75.5437, 92.0292, 13.7818 by changing the saturation by 10% instead.


 75.5437, 92.0292,
13.7818

 75.5437, 92.0292,
13.7818


468.7527,
534.6099, 227.2502


 56.3542, 69.6649,
7.8320


 126.0655,
150.1539, 33.4129

 40.7251, 51.2534,
3.9014


 158.1285,
186.6830, 47.9313


 28.2910, 36.4103,
1.5714


 195.2133,
228.7025, 66.1430

 18.6867, 24.7512,
0.2703

 237.6853,
276.5968, 88.4666

 11.5468, 15.8918,
0.0000

 285.9099,
330.7503, 115.3206

 6.5059, 9.4476,
0.0000

 340.2525,

 3.1986, 5.0343,

391.5474, 147.1235

0.0000

401.0783,
459.3725, 184.2938

■ 1.2596, 2.2674,
0.0000

■ 0.1527, 0.7564,
0.0000

■ 75.5437, 92.0292,
13.7818

■ 75.5437, 92.0292,
13.7818

■ 75.5432, 92.0290,
13.7818

■ 75.8691, 92.1760,
14.7435

■ 76.4307, 92.4174,
16.9465

■ 77.3006, 92.7821,
20.7707

■ 78.5227, 93.2877,
26.4483

■ 80.1340, 93.9490,
34.1739

■ 82.1668, 94.7790,
44.1175

■ 84.6501, 95.7892,
56.4315

■ 87.6102, 96.9902,
71.2548

■ 91.0715, 98.3916,
88.7156

Harmonies

Analogous

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



102.8469, 92.0292, 14.2030



75.5437, 92.0292, 13.7818



56.0130, 92.0292, 26.3442

Triad

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



75.5437, 92.0292, 13.7818



54.9113, 92.0292, 243.8976



147.9395, 92.0292, 147.9314

Complementary

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



75.5437, 92.0292, 13.7818



18.1010, 7.2469, 95.0525

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.



128.9330, 92.0292, 251.7154



75.5437, 92.0292, 13.7818



73.7095, 92.0292, 323.9253

Square

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



75.5437, 92.0292, 13.7818



45.8814, 92.0292, 140.4882



100.5919, 92.0292, 327.3585



148.7164, 92.0292, 68.4665

Rectangle

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



75.5437, 92.0292, 13.7818



48.4224, 92.0292, 47.6149



100.5919, 92.0292, 327.3585



143.3175, 92.0292, 181.8018

Sweetspot

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



75.5436, 92.0292, 13.7830



84.6459, 95.7875, 56.4107



41.2406, 21.2609, 1.9313



17.8815, 20.4065, 10.8995



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.



75.5436, 92.0292, 13.7830



75.5432, 92.0290, 13.7818



44.5902, 76.0721, 12.3344



19.5314, 21.0754, 19.1829



39.4858, 48.0938, 7.2019



3.8533, 4.6872, 0.7016

Inverse Universe

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



18.1010, 7.2469, 95.0525



18.1001, 7.2458, 95.0523



26.8804, 11.7729, 95.4634



17.0294, 17.3914, 22.7093



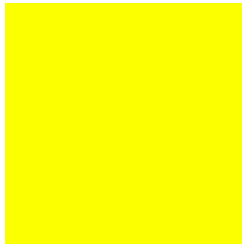
9.4691, 3.7920, 49.6674



0.9308, 0.3738, 4.8364

Previews

White Background



This preview shows how the XYZ color 75.5437, 92.0292, 13.7818 looks on a white background.

Color Contrast Check

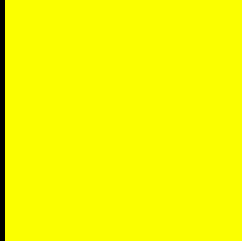
Large Text (above 18pt) WCAG AA × Fail

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 75.5437, 92.0292, 13.7818 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 75.5437, 92.0292, 13.7818

Background



This preview shows how black text looks on a background with the XYZ color 75.5437, 92.0292, 13.7818.

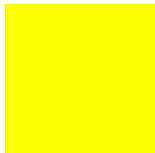


This preview shows how white text looks on a background with the XYZ color 75.5437, 92.0292,

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



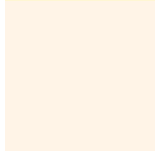
Original Color

75.5437, 92.0292, 13.7818



Protanopia

85.9536, 91.8747, 74.8314



Deuteranopia

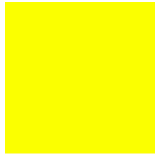
88.0145, 91.7309, 88.6683



Tritanopia

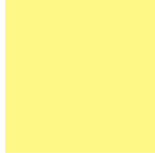
90.2474, 91.6664, 103.3793

Trichromacy



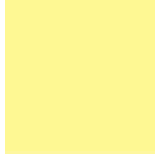
Original Color

75.5437, 92.0292, 13.7818



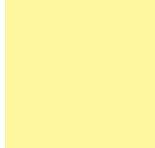
Protanomaly

79.0518, 90.5434, 35.8644



Deuteranomaly

79.7069, 90.3122, 40.8348



Tritanomaly

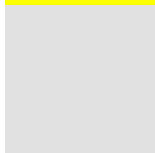
80.3918, 90.0956, 45.9540

Monochromacy



Original Color

75.5437, 92.0292, 13.7818



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.8851, 79.4665, 37.6945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.5437, 92.0292, 13.7818 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(251, 255, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 75.5437, 92.0292, 13.7818 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(251, 255, 0) }
```


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

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

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

Background

The CSS property to change the background color of an element to XYZ 75.5437, 92.0292, 13.7818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(251,  
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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