

Converting Colors

XYZ(76.7506, 92.6514, 13.8383)

Have a look what the booklet for
XYZ(76.7506, 92.6514, 13.8383)
contains.

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Color

**XYZ(76.6331, 92.5908,
13.8328)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFF00
RGB	254, 255, 0
RGB Percent	100%, 100%, 0%
CMY	0.0039, 0.0000, 0.9998
CMYK	0.00, 0.00, 1.00, 0.00
HSL	60°, 100%, 50%
HSV	60°, 100%, 100%
XYZ	76.6331, 92.5908, 13.8328
YIQ	225.6310, 81.2590, -79.5170

Conversions

Conversions Part 2

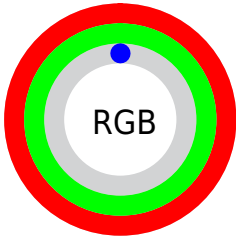
Format	Color
RYB	0, 255, 1
Decimal	16711424
CIELab	97.06, -21.97, 94.39
CIELCh	97, 96.914, 103.100
Yxy	92.5908, 0.4186, 0.5058
Android (android.graphics.Color)	4294901504 (0xFFFEFF00)
YUV	225.6310, -111.2361, 24.8796
Hunter-Lab	96.2241, -26.2344, 58.8336

Details

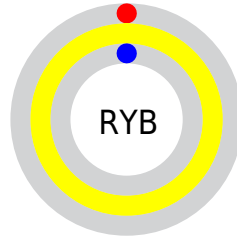
The XYZ color **76.6331, 92.5908, 13.8328** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.0635, 7.2276, 95.0508**, and the grayscale version is **72.7616, 76.5509, 83.3639**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **42.1617, 52.0533, 7.8251** is the 20% darker color. If you saturate the color by 10%, you get **76.6327, 92.5907, 13.8328**, and if you desaturate by 10%, it is **76.8508, 92.6821, 14.7895**.

Distribution



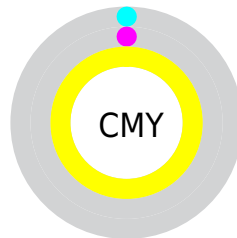
- Red (100%)
- Green (100%)
- Blue (0%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6331, 92.5908, 13.8328 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 76.6331, 92.5908, 13.8328 by changing the saturation by 10% instead.


 76.6331, 92.5908,
13.8328


 76.6331, 92.5908,
13.8328


472.4233,
536.4231, 227.5803

 57.2507, 70.1314,
7.8670


 127.5970,
150.9320, 33.5049

 41.4475, 51.6337,
3.9234


 159.9092,
187.5826, 48.0483


 28.8581, 36.7132,
1.5834


 197.2621,
229.7323, 66.2881

 19.1172, 24.9855,
0.2790

 240.0209,
277.7657, 88.6427

 11.8595, 16.0663,
0.0000

 288.5511,
332.0671, 115.5307

 6.7196, 9.5710,
0.0000

 343.2180,

 3.3321, 5.1155,

393.0208, 147.3706

0.0000

404.3869,
461.0114, 184.5809

■ 1.3317, 2.3152,
0.0000

■ 0.2068, 0.7817,
0.0000

■ 76.6331, 92.5908,
13.8328

■ 76.6331, 92.5908,
13.8328

■ 76.6327, 92.5907,
13.8328

■ 76.8508, 92.6821,
14.7895

■ 77.3045, 92.8679,
16.9875

■ 78.0661, 93.1767,
20.8067

■ 79.1797, 93.6264,
26.4792

■ 80.6822, 94.2317,
34.1998

■ 82.6060, 95.0054,
44.1383

■ 84.9799, 95.9592,
56.4473

■ 87.8303, 97.1036,
71.2655

■ 91.1816, 98.4484,
88.7212

Harmonies

Analogous

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



104.1669, 92.5908, 14.5307



76.6331, 92.5908, 13.8328



56.7844, 92.5908, 26.0572

Triad

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



76.6331, 92.5908, 13.8328



54.9660, 92.5908, 242.4093



148.4056, 92.5908, 151.1488

Complementary

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



76.6331, 92.5908, 13.8328



18.0635, 7.2276, 95.0508

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.



128.9743, 92.5908, 255.2843



76.6331, 92.5908, 13.8328



73.6074, 92.5908, 323.9779

Square

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



76.6331, 92.5908, 13.8328



46.1331, 92.5908, 138.8809



100.4492, 92.5908, 329.6300



149.6858, 92.5908, 70.4310

Rectangle

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



76.6331, 92.5908, 13.8328



48.9954, 92.5908, 46.9402



100.4492, 92.5908, 329.6300



143.6218, 92.5908, 185.2956

Sweetspot

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



76.6330, 92.5908, 13.8340



84.9758, 95.9576, 56.4261



41.2407, 21.2610, 1.9313



17.9620, 20.4480, 10.9032



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.



76.6330, 92.5908, 13.8340



76.6327, 92.5907, 13.8328



44.5903, 76.0721, 12.3344



19.5538, 21.0869, 19.1839



40.0455, 48.3823, 7.2281



3.9013, 4.7120, 0.7039

Inverse Universe

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



18.0635, 7.2276, 95.0508



18.0625, 7.2265, 95.0506



26.8805, 11.7729, 95.4634



17.0097, 17.3812, 22.7084



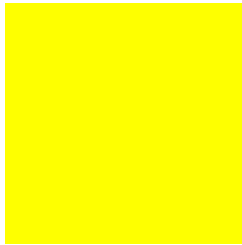
9.4409, 3.7774, 49.6661



0.9214, 0.3689, 4.8359

Previews

White Background



This preview shows how the XYZ color 76.6331, 92.5908, 13.8328 looks on a white background.

Color Contrast Check

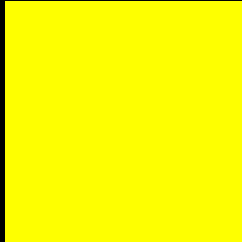
Large Text (above 18pt) WCAG AA × Fail

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 76.6331, 92.5908, 13.8328 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 76.6331, 92.5908, 13.8328

Background



This preview shows how black text looks on a background with the XYZ color 76.6331, 92.5908, 13.8328.

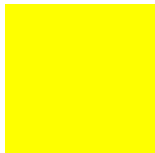


This preview shows how white text looks on a background with the XYZ color 76.6331, 92.5908,

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



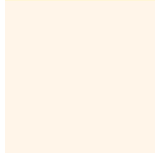
Original Color

76.6331, 92.5908, 13.8328



Protanopia

86.4615, 92.0778, 77.5058



Deuteranopia

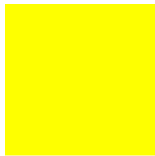
88.6004, 92.4480, 90.2653



Tritanopia

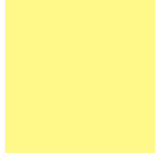
90.5459, 92.2633, 103.4788

Trichromacy



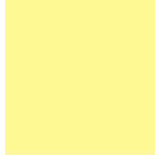
Original Color

76.6331, 92.5908, 13.8328



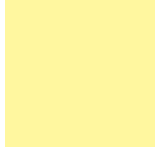
Protanomaly

79.6310, 90.8175, 36.9994



Deuteranomaly

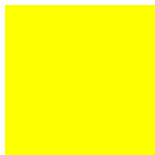
80.4610, 91.1495, 41.3698



Tritanomaly

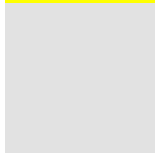
80.7588, 90.2847, 45.9711

Monochromacy



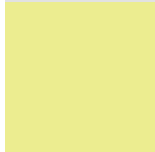
Original Color

76.6331, 92.5908, 13.8328



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.9103, 80.4149, 38.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6331, 92.5908, 13.8328 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(254, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 76.6331, 92.5908, 13.8328 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(254, 255, 0) }
```


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

```
.border{ border-color:rgb(254, 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(254, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6331, 92.5908, 13.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 0) }
```

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

```
.background{ background-color: rgb(254,  
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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