

Converting Colors

XYZ(74.6753, 88.1166, 13.1180)

Have a look what the booklet for
XYZ(74.6753, 88.1166, 13.1180)
contains.

XYZ(74.8184, 88.3992, 13.1768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.8184, 88.3992,
13.1768)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF802
RGB	255, 248, 2
RGB Percent	100%, 97%, 1%
CMY	0.0000, 0.0274, 0.9920
CMYK	0.00, 0.03, 0.99, 0.00
HSL	58°, 100%, 50%
HSV	58°, 99%, 100%
XYZ	74.8184, 88.3992, 13.1768
YIQ	222.0490, 83.1380, -75.0220

Conversions

Conversions Part 2

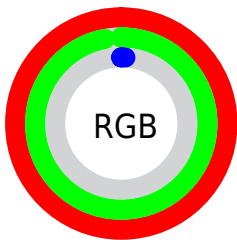
Format	Color
R_YB	9, 255, 2
Decimal	16775170
CIE Lab	95.33, -18.20, 93.02
CIE LCh	95, 94.783, 101.071
Yxy	88.3992, 0.4242, 0.5011
Android (android.graphics.Color)	4294965250 (0xFFFFF802)
YUV	222.0490, -108.4842, 28.8980
Hunter-Lab	94.0208, -22.4926, 57.5052

Details

The XYZ color **74.8184, 88.3992, 13.1768** 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 **18.1734, 7.4291, 95.0832**, and the grayscale version is **70.1724, 73.8268, 80.3974**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **40.8420, 49.0367, 7.3124** is the 20% darker color. If you saturate the color by 10%, you get **74.7919, 88.3643, 13.1141**, and if you desaturate by 10%, it is **75.2305, 88.9148, 14.2670**.

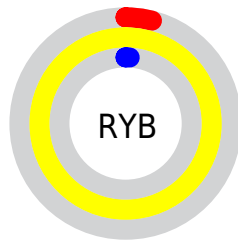
Distribution



Red (100%)

Green (97%)

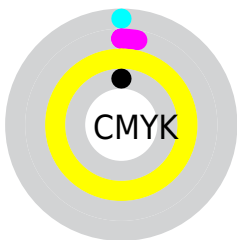
Blue (1%)



Red (4%)

Yellow (100%)

Blue (1%)

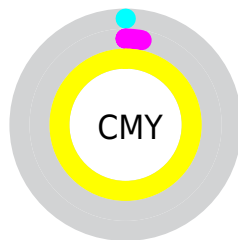


Cyan (0%)

Magenta (3%)

Yellow (99%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8184, 88.3992, 13.1768 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 74.8184, 88.3992, 13.1768 by changing the saturation by 10% instead.


 74.8184, 88.3992,
13.1768

 74.8184, 88.3992,
13.1768


466.3000,
522.8096, 223.2951

 55.7578, 66.6537,
7.4182


 125.0445,
145.1128, 32.3169


 40.2450, 48.8033,
3.6426


 156.9408,
180.8497, 46.5355


 27.9147, 34.4634,
1.4314


 193.8463,
222.0192, 64.4112

 18.4015, 23.2499,
0.1660

 236.1264,
269.0057, 86.3625

 11.3400, 14.7781,
0.0000

 284.1464,
322.1936, 112.8081

 6.3650, 8.6638,
0.0000

 338.2718,

 3.1110, 4.5226,

381.9673, 144.1663

0.0000

398.8679,
448.7112, 180.8558

■ 1.2127, 1.9700,
0.0000

■ 0.1164, 0.5899,
0.0000

■ 74.8184, 88.3992,
13.1768

■ 74.8184, 88.3992,
13.1768


■ 74.7919, 88.3643,
13.1141


■ 75.2305, 88.9148,
14.2670


■ 75.8878, 89.5264,
16.6532

■ 76.8576, 90.2644,
20.6810


■ 78.1832, 91.1460,
26.5787

 79.9013, 92.1859,
34.5388

 82.0438, 93.3968,
44.7296

 84.6393, 94.7903,
57.3024

 87.7142, 96.3769,
72.3952

 91.2926, 98.1661,
90.1353

Harmonies

Analogous

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



101.2287, 88.3992, 14.5664



74.8184, 88.3992, 13.1768



55.3719, 88.3992, 23.8076

Triad

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



74.8184, 88.3992, 13.1768



51.7980, 88.3992, 223.6094



140.4631, 88.3992, 150.3120

Complementary

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



74.8184, 88.3992, 13.1768



18.1734, 7.4291, 95.0832

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.



121.1593, 88.3992, 248.7325



74.8184, 88.3992, 13.1768



68.8826, 88.3992, 303.9384

Square

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



74.8184, 88.3992, 13.1768



44.0192, 88.3992, 126.3103



93.9484, 88.3992, 314.9545



142.9653, 88.3992, 71.3856

Rectangle

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



74.8184, 88.3992, 13.1768



47.5447, 88.3992, 42.4418



93.9484, 88.3992, 314.9545



135.5629, 88.3992, 183.0124

Sweetspot

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



74.8204, 88.4034, 13.1786



84.4153, 94.6727, 56.2077



41.3192, 21.3270, 2.2395



17.8253, 20.1346, 10.8499



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.



74.8204, 88.4034, 13.1786



74.7924, 88.3649, 13.1141



46.0793, 76.8381, 12.4611



19.5156, 20.9995, 19.1690



39.1000, 46.2112, 6.8589



3.8201, 4.5256, 0.6722

Inverse Universe

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



18.1734, 7.4291, 95.0832



18.1265, 7.3730, 95.0755



25.8296, 11.2634, 95.4198



17.0433, 17.4581, 22.7214



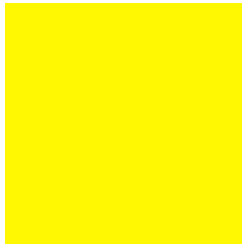
9.4889, 3.8874, 49.6848



0.9374, 0.4056, 4.8421

Previews

White Background



This preview shows how the XYZ color 74.8184, 88.3992, 13.1768 looks on a white background.

Color Contrast Check

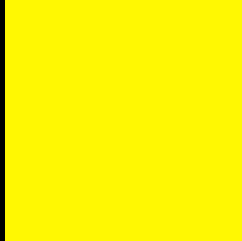
Large Text (above 18pt) WCAG AA × Fail

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 74.8184, 88.3992, 13.1768 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 74.8184, 88.3992, 13.1768

Background



This preview shows how black text looks on a background with the XYZ color 74.8184, 88.3992, 13.1768.



This preview shows how white text looks on a background with the XYZ color 74.8184, 88.3992,

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



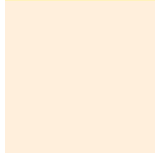
Original Color

74.8184, 88.3992, 13.1768



Protanopia

82.0692, 88.3951, 60.3134



Deuteranopia

85.0248, 88.1603, 80.2455



Tritanopia

88.0056, 88.4209, 98.8148

Trichromacy



Original Color

74.8184, 88.3992, 13.1768



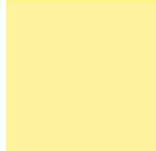
Protanomaly

76.9808, 87.3174, 30.5659



Deuteranomaly

77.7998, 86.6873, 37.8311



Tritanomaly

78.7811, 86.6049, 44.4625

Monochromacy



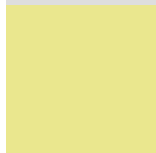
Original Color

74.8184, 88.3992, 13.1768



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.3901, 76.5972, 36.8241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8184, 88.3992, 13.1768 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, 248, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 2)  
}
```

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, 248, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 2) }
```

Border

The CSS property to change the border of an element to XYZ 74.8184, 88.3992, 13.1768 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, 248, 2) }
```


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

```
.border{ border-color:rgb(255, 248, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8184, 88.3992, 13.1768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 2) }
```

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

```
.background{ background-color: rgb(255,  
248, 2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor