

Converting Colors

XYZ(68.8725, 81.3258, 12.0675)

Have a look what the booklet for
XYZ(68.8725, 81.3258, 12.0675)
contains.

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Color

**XYZ(68.8725, 81.3258,
12.0675)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EF00
RGB	246, 239, 0
RGB Percent	96%, 94%, 0%
CMY	0.0353, 0.0627, 0.9999
CMYK	0.00, 0.03, 1.00, 0.04
HSL	58°, 100%, 48%
HSV	58°, 100%, 96%
XYZ	68.8725, 81.3258, 12.0675
YIQ	213.8470, 80.8910, -72.8450

Conversions

Conversions Part 2

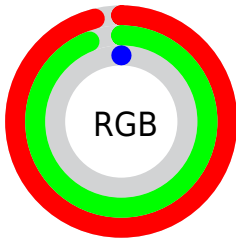
Format	Color
R_{YB}	7, 246, 0
Decimal	16183040
CIE _{Lab}	92.28, -17.61, 90.61
CIE _{LCh}	92, 92.311, 101.000
Yxy	81.3258, 0.4244, 0.5012
Android (android.graphics.Color)	4294373120 (0xFFFF6EF00)
YUV	213.8470, -105.4266, 28.1982
Hunter-Lab	90.1808, -21.4932, 55.1927

Details

The XYZ color **68.8725, 81.3258, 12.0675** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **16.7111, 6.8066, 87.6210**, and the grayscale version is **64.4671, 67.8244, 73.8608**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **36.9411, 44.1813, 6.5808** is the 20% darker color. If you saturate the color by 10%, you get **68.8738, 81.3290, 12.0680**, and if you desaturate by 10%, it is **69.2509, 81.8085, 13.0399**.

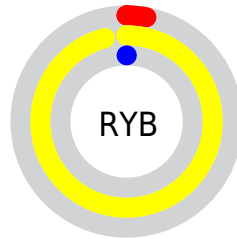
Distribution



Red (96%)

Green (94%)

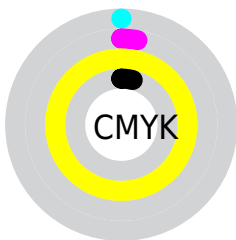
Blue (0%)



Red (3%)

Yellow (96%)

Blue (0%)

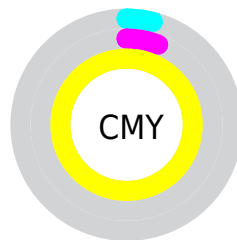


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8725, 81.3258, 12.0675 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 68.8725, 81.3258, 12.0675 by changing the saturation by 10% instead.


 68.8725, 81.3258,
12.0675


 68.8725, 81.3258,
12.0675


445.9096,
499.3897, 215.8454

 50.8841, 60.8100,
6.6666


 116.6345,
135.2281, 30.2842


 36.3371, 44.0718,
3.1792


 147.1389,
169.3834, 43.9371


 24.8660, 30.7270,
1.1868


 182.5460,
208.8540, 61.1777

 16.1054, 20.3910,
0.0000

 223.2211,
254.0242, 82.4245

 9.6901, 12.6796,
0.0000

 269.5297,
305.2785, 108.0962

 5.2547, 7.2083,
0.0000

 321.8371,

 2.4337, 3.5927,

363.0013, 138.6112

0.0000

380.5086,
427.5769, 174.3881

■ 0.8620, 1.4484,
0.0000

■ 0.0000, 0.2520,
0.0000

■ 68.8725, 81.3258,
12.0675

■ 68.8725, 81.3258,
12.0675

■ 68.8738, 81.3290,
12.0680

■ 69.2509, 81.8085,
13.0399

■ 69.8446, 82.3755,
15.1507

■ 70.7225, 83.0574,
18.7537

■ 71.9247, 83.8704,
24.0611

■ 73.4852, 84.8279,
31.2508

■ 75.4334, 85.9418,
40.4784

■ 77.7959, 87.2227,
51.8835

■ 80.5967, 88.6802,
65.5933

■ 83.8583, 90.3232,
81.7250

Harmonies

Analogous

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



93.2129, 81.3258, 13.3678



68.8725, 81.3258, 12.0675



50.9427, 81.3258, 21.8071

Triad

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



68.8725, 81.3258, 12.0675



47.5920, 81.3258, 205.7068



129.2809, 81.3258, 138.5713

Complementary

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



68.8725, 81.3258, 12.0675



16.7111, 6.8066, 87.6210

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.



111.4619, 81.3258, 229.2868



68.8725, 81.3258, 12.0675



63.3058, 81.3258, 279.8686

Square

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



68.8725, 81.3258, 12.0675



40.4500, 81.3258, 116.0522



86.3835, 81.3258, 290.2097



131.6288, 81.3258, 65.7770

Rectangle

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



68.8725, 81.3258, 12.0675



43.7218, 81.3258, 38.9127



86.3835, 81.3258, 290.2097



124.7529, 81.3258, 168.7214

Sweetspot

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



68.8743, 81.3296, 12.0691



84.3963, 94.6347, 56.2013



38.0512, 19.6115, 2.0163



17.8207, 20.1253, 10.8484



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.



68.8743, 81.3296, 12.0691



74.7308, 88.2416, 13.0936



42.3492, 70.7536, 11.4258



17.8719, 19.2280, 17.5670



36.7812, 43.4479, 6.4477



3.2452, 3.8437, 0.5709

Inverse Universe

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



16.7111, 6.8066, 87.6210



18.1287, 7.3774, 95.0762



23.6812, 10.2871, 87.9255



15.6189, 16.0021, 20.8081



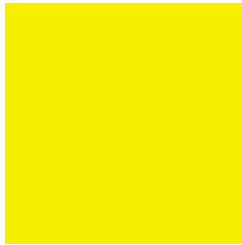
8.9363, 3.6664, 46.7747



0.7985, 0.3483, 4.1154

Previews

White Background



This preview shows how the XYZ color 68.8725, 81.3258, 12.0675 looks on a white background.

Color Contrast Check

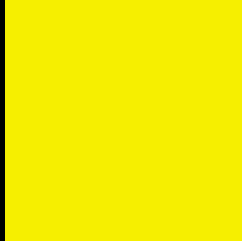
Large Text (above 18pt) WCAG AA × Fail

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 68.8725, 81.3258, 12.0675 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 68.8725, 81.3258, 12.0675

Background



This preview shows how black text looks on a background with the XYZ color 68.8725, 81.3258, 12.0675.

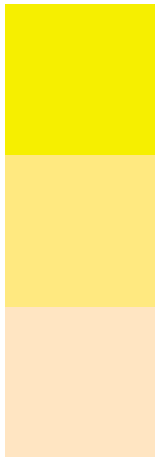


This preview shows how white text looks on a background with the XYZ color 68.8725, 81.3258,

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

68.8725, 81.3258, 12.0675

Protanopia

74.2752, 81.0963, 32.1605

Deuteranopia

78.9969, 81.1937, 62.5473



Tritanopia

83.5978, 81.2835, 92.1721

Trichromacy



Original Color

68.8725, 81.3258, 12.0675



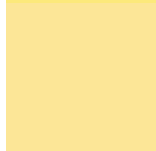
Protanomaly

71.3384, 80.7062, 19.6025



Deuteranomaly

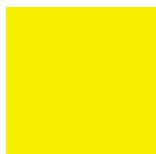
72.8589, 80.4033, 30.4182



Tritanomaly

74.0276, 79.5234, 40.7260

Monochromacy



Original Color

68.8725, 81.3258, 12.0675



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

62.1956, 70.7217, 33.6651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8725, 81.3258, 12.0675 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(246, 239, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 239, 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(246, 239, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 239, 0) }
```

Border

The CSS property to change the border of an element to XYZ 68.8725, 81.3258, 12.0675 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(246, 239, 0) }
```


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

```
.border{ border-color:rgb(246, 239, 0) }
```

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

Here you see how a box with a 4 pixel rgb(246, 239, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 239, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 239, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 239,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8725, 81.3258, 12.0675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 239, 0) }
```

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

```
.background{ background-color: rgb(246,  
239, 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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