

Converting Colors

XYZ(70.0181, 85.4764, 12.8083)

Have a look what the booklet for
XYZ(70.0181, 85.4764, 12.8083)
contains.

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Color

**XYZ(69.8787, 85.3988,
12.8006)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F700
RGB	242, 247, 0
RGB Percent	95%, 97%, 0%
CMY	0.0510, 0.0313, 0.9999
CMYK	0.02, 0.00, 1.00, 0.03
HSL	61°, 100%, 48%
HSV	61°, 100%, 97%
XYZ	69.8787, 85.3988, 12.8006
YIQ	217.3470, 76.3070, -77.8770

Conversions

Conversions Part 2

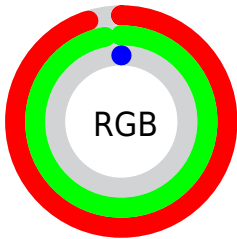
Format	Color
RYB	0, 247, 5
Decimal	15922944
CIELab	94.05, -23.10, 91.77
CIELCh	94, 94.636, 104.129
Yxy	85.3988, 0.4158, 0.5081
Android (android.graphics.Color)	4294113024 (0xFFFF2F700)
YUV	217.3470, -107.1521, 21.6207
Hunter-Lab	92.4115, -26.7439, 56.4753

Details

The XYZ color **69.8787, 85.3988, 12.8006** 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 **16.8531, 6.7492, 88.4156**, and the grayscale version is **66.8728, 70.3554, 76.6170**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **37.6869, 47.0854, 7.1021** is the 20% darker color. If you saturate the color by 10%, you get **69.8802, 85.4026, 12.8013**, and if you desaturate by 10%, it is **70.2252, 85.5605, 13.7185**.

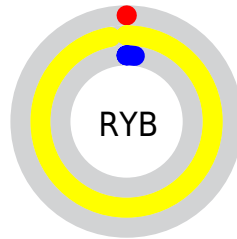
Distribution



Red (95%)

Green (97%)

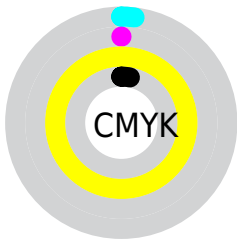
Blue (0%)



Red (0%)

Yellow (97%)

Blue (2%)

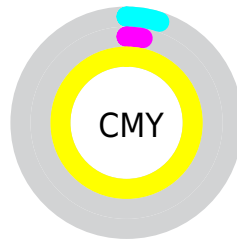


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (5%)


Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8787, 85.3988, 12.8006 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 69.8787, 85.3988, 12.8006 by changing the saturation by 10% instead.


 69.8787, 85.3988,
12.8006

 69.8787, 85.3988,
12.8006


449.3970,
512.9468, 220.7985

 51.7069, 64.1709,
7.1623


 118.0630,
140.9302, 31.6310

 36.9948, 46.7891,
3.4838


 148.8061,
176.0026, 45.6602


 25.3771, 32.8690,
1.3467

 184.4705,
216.4586, 63.3233

 16.4885, 22.0261,
0.0996

 225.4213,
262.6826, 85.0391

 9.9635, 13.8761,
0.0000

 272.0241,
315.0590, 111.2259

 5.4368, 8.0345,
0.0000

 324.6440,

 2.5432, 4.1171,

373.9723, 142.3024

0.0000

383.6466,
439.8067, 178.6871

■ 0.9171, 1.7393,
0.0000

■ 0.0000, 0.4489,
0.0000

■ 69.8787, 85.3988,
12.8006

■ 69.8787, 85.3988,
12.8006

■ 69.8802, 85.4026,
12.8013

■ 70.2252, 85.5605,
13.7185

■ 70.7889, 85.8059,
15.7857

■ 71.6390, 86.1660,
19.3591

■ 72.8163, 86.6569,
24.6529

■ 74.3550, 87.2925,
31.8469

■ 76.2848, 88.0846,
41.0985

■ 78.6326, 89.0439,
52.5484

■ 81.4227, 90.1802,
66.3251

■ 84.6777, 91.5025,
82.5473

Harmonies

Analogous

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



95.1920, 85.3988, 13.0947



69.8787, 85.3988, 12.8006



51.8255, 85.3988, 24.6064

Triad

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



69.8787, 85.3988, 12.8006



51.0549, 85.3988, 227.3888



137.4363, 85.3988, 136.4574

Complementary

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



69.8787, 85.3988, 12.8006



16.8531, 6.7492, 88.4156

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.



119.9093, 85.3988, 232.8610



69.8787, 85.3988, 12.8006



68.5956, 85.3988, 301.2730

Square

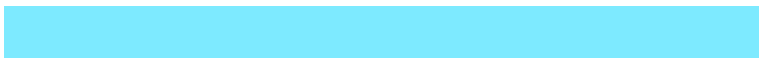
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8787, 85.3988, 12.8006



42.5858, 85.3988, 131.2489



93.6143, 85.3988, 303.6765



137.9800, 85.3988, 62.9901

Rectangle

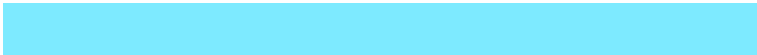
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8787, 85.3988, 12.8006



44.8353, 85.3988, 44.5304



93.6143, 85.3988, 303.6765



133.1950, 85.3988, 167.8620

Sweetspot

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



69.8806, 85.4028, 12.8023



84.5178, 95.7215, 56.4047



38.4054, 19.8656, 1.8113



17.8503, 20.3904, 10.8980



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.



69.8806, 85.4028, 12.8023



75.1233, 91.8125, 13.7622



40.9266, 70.4764, 11.4473



17.8795, 19.2954, 17.5796



36.9707, 45.1719, 6.7705



3.2598, 3.9755, 0.5955

Inverse Universe

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



16.8531, 6.7492, 88.4156



18.1147, 7.2534, 95.0530



25.6377, 11.2778, 88.8267



15.6122, 15.9427, 20.7970



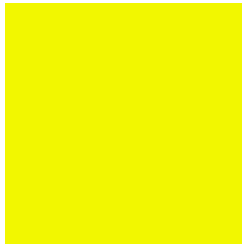
8.9261, 3.5759, 46.7578



0.7953, 0.3198, 4.1101

Previews

White Background



This preview shows how the XYZ color 69.8787, 85.3988, 12.8006 looks on a white background.

Color Contrast Check

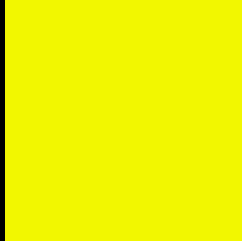
Large Text (above 18pt) WCAG AA × Fail

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 69.8787, 85.3988, 12.8006 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 69.8787, 85.3988, 12.8006

Background



This preview shows how black text looks on a background with the XYZ color 69.8787, 85.3988, 12.8006.

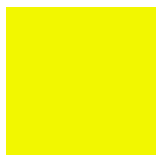


This preview shows how white text looks on a background with the XYZ color 69.8787, 85.3988,

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



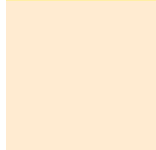
Original Color

69.8787, 85.3988, 12.8006



Protanopia

78.6061, 85.1257, 47.8852



Deuteranopia

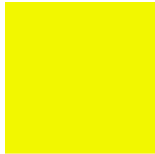
82.4570, 85.2801, 72.4364



Tritanopia

86.4505, 85.0656, 99.0517

Trichromacy



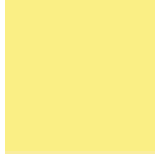
Original Color

69.8787, 85.3988, 12.8006



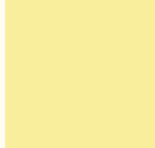
Protanomaly

73.4294, 84.2545, 25.7572



Deuteranomaly

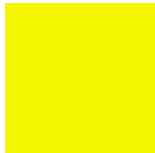
74.5245, 83.7505, 34.4279



Tritanomaly

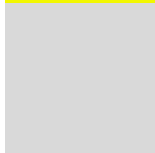
75.7943, 83.3267, 43.9872

Monochromacy



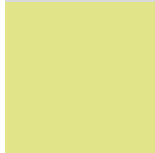
Original Color

69.8787, 85.3988, 12.8006



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.6949, 73.4905, 34.8728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8787, 85.3988, 12.8006 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(242, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 247, 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(242, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 69.8787, 85.3988, 12.8006 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(242, 247, 0) }
```


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

```
.border{ border-color:rgb(242, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8787, 85.3988, 12.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 0) }
```

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

```
.background{ background-color: rgb(242,  
247, 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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