

Converting Colors

XYZ(70.1551, 85.5373, 13.1265)

Have a look what the booklet for
XYZ(70.1551, 85.5373, 13.1265)
contains.

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Color

**XYZ(70.2833, 85.6004,
13.1348)**

Conversions

Conversions Part 1

Format	Color
Hex	F3F70B
RGB	243, 247, 11
RGB Percent	95%, 97%, 4%
CMY	0.0471, 0.0313, 0.9567
CMYK	0.02, 0.00, 0.96, 0.03
HSL	61°, 94%, 51%
HSV	61°, 96%, 97%
XYZ	70.2833, 85.6004, 13.1348
YIQ	218.9000, 73.3720, -74.2440

Conversions

Conversions Part 2

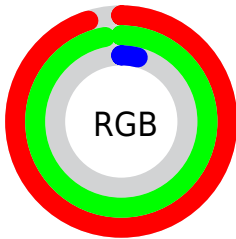
Format	Color
R _Y B	11, 247, 15
Decimal	15988491
CIE Lab	94.14, -22.60, 91.08
CIE LCh	94, 93.841, 103.939
Yxy	85.6004, 0.4158, 0.5065
Android (android.graphics.Color)	4294178571 (0xFFFF3F70B)
YUV	218.9000, -102.4947, 21.1357
Hunter-Lab	92.5205, -26.3131, 56.3472

Details

The XYZ color **70.2833, 85.6004, 13.1348** 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 **17.1073, 7.0579, 88.4618**, and the grayscale version is **67.9204, 71.4575, 77.8172**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **37.9222, 47.2067, 7.1131** is the 20% darker color. If you saturate the color by 10%, you get **70.1600, 85.5468, 12.8144**, and if you desaturate by 10%, it is **70.6840, 85.7806, 14.4799**.

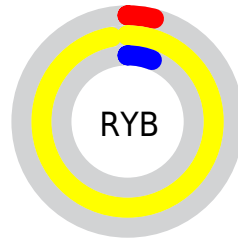
Distribution



Red (95%)

Green (97%)

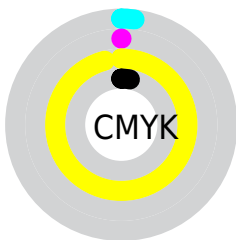
Blue (4%)



Red (4%)

Yellow (97%)

Blue (6%)

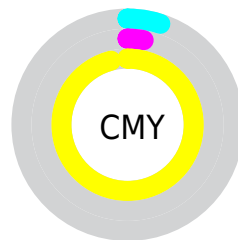


Cyan (2%)

Magenta (0%)

Yellow (96%)

Black (3%)



Cyan (5%)


Magenta (3%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2833, 85.6004, 13.1348 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 70.2833, 85.6004, 13.1348 by changing the saturation by 10% instead.


 70.2833, 85.6004,
13.1348

 70.2833, 85.6004,
13.1348


450.7950,
513.6127, 223.0179

 52.0380, 64.3376,
7.3896


 118.6367,
141.2117, 32.2405

 37.2597, 46.9242,
3.6248


 149.4755,
176.3290, 46.4381


 25.5832, 32.9757,
1.4219


 185.2429,
216.8333, 64.2902

 16.6432, 22.1078,
0.1587

 226.3041,
263.1089, 86.2154

 10.0741, 13.9362,
0.0000

 273.0246,
315.5402, 112.6322

 5.5108, 8.0763,
0.0000

 325.7697,

 2.5878, 4.1438,

374.5117, 143.9592

0.0000

384.9047,
440.4077, 180.6149

■ 0.9397, 1.7543,
0.0000

■ 0.0000, 0.4585,
0.0000

■ 70.2833, 85.6004,
13.1348

■ 70.2833, 85.6004,
13.1348

■ 70.1600, 85.5468,
12.8144

■ 70.6840, 85.7806,
14.4799

■ 71.3421, 86.0607,
17.1870

■ 72.3056, 86.4629,
21.5010

■ 73.6121, 87.0023,
27.6190

■ 75.2935, 87.6918,
35.7095

■ 77.3781, 88.5426,
45.9220

■ 79.8917, 89.5650,
58.3914

■ 82.8577, 90.7684,
73.2415

■ 86.2979, 92.1616,
90.5871

Harmonies

Analogous

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



95.4518, 85.6004, 13.4968



70.2833, 85.6004, 13.1348



52.2647, 85.6004, 24.9130

Triad

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



70.2833, 85.6004, 13.1348



51.3297, 85.6004, 225.7153



137.0880, 85.6004, 136.8963

Complementary

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



70.2833, 85.6004, 13.1348



17.1073, 7.0579, 88.4618

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.



119.6399, 85.6004, 232.3042



70.2833, 85.6004, 13.1348



68.7293, 85.6004, 299.0195

Square

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



70.2833, 85.6004, 13.1348



42.9438, 85.6004, 130.6078



93.5447, 85.6004, 301.9099



137.7439, 85.6004, 63.7249

Rectangle

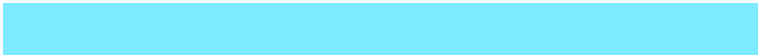
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2833, 85.6004, 13.1348



45.2601, 85.6004, 44.7255



93.5447, 85.6004, 301.9099



132.8530, 85.6004, 168.0406

Sweetspot

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



70.2852, 85.6044, 13.1366



84.8851, 95.8808, 57.7759



38.5911, 20.1404, 2.1712



17.9247, 20.4231, 11.1557



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.



70.2852, 85.6044, 13.1366



75.4246, 91.9678, 13.7763



41.7937, 70.9165, 11.8032



17.8852, 19.2984, 17.5799



37.1162, 45.2469, 6.7773



3.2709, 3.9813, 0.5961

Inverse Universe

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



17.1073, 7.0579, 88.4618



18.1042, 7.2479, 95.0525



26.5752, 11.9388, 88.9049



15.6072, 15.9401, 20.7967



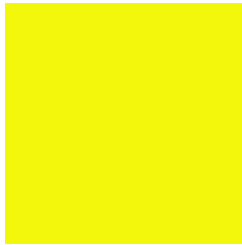
8.9185, 3.5720, 46.7574



0.7928, 0.3186, 4.1099

Previews

White Background



This preview shows how the XYZ color 70.2833, 85.6004, 13.1348 looks on a white background.

Color Contrast Check

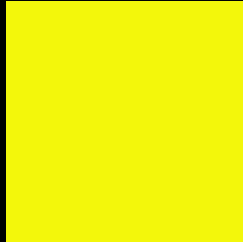
Large Text (above 18pt) WCAG AA × Fail

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 70.2833, 85.6004, 13.1348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

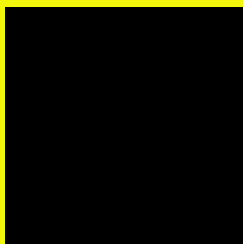
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2833, 85.6004, 13.1348

Background



This preview shows how black text looks on a background with the XYZ color 70.2833, 85.6004, 13.1348.

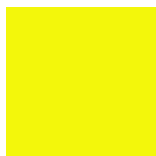


This preview shows how white text looks on a background with the XYZ color 70.2833, 85.6004,

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

70.2833, 85.6004, 13.1348



Protanopia

78.7896, 85.1991, 48.8516



Deuteranopia

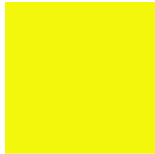
82.5812, 85.3298, 73.0906



Tritanopia

86.2973, 85.0044, 98.2453

Trichromacy



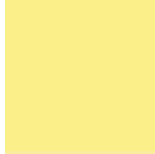
Original Color

70.2833, 85.6004, 13.1348



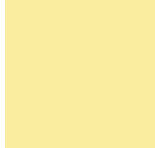
Protanomaly

74.0534, 84.5456, 27.1678



Deuteranomaly

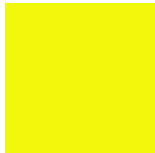
75.2376, 84.0772, 36.3078



Tritanomaly

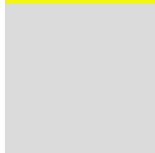
76.4130, 83.6157, 45.3697

Monochromacy



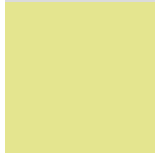
Original Color

70.2833, 85.6004, 13.1348



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.9721, 74.5158, 36.9452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2833, 85.6004, 13.1348 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(243, 247, 11)` looks like.

```
.text, #text, p{  
    color:rgb(243, 247, 11)  
}
```

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(243, 247, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 247, 11) }
```

Border

The CSS property to change the border of an element to XYZ 70.2833, 85.6004, 13.1348 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(243, 247, 11) }
```


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

```
.border{ border-color:rgb(243, 247, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 247, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 247, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 247, 11);  
box-shadow:4px 4px 4px 4px rgb(243, 247,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2833, 85.6004, 13.1348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 247, 11) }
```

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

```
.background{ background-color: rgb(243,  
247, 11) }
```

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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