

Converting Colors

XYZ(70.6270, 84.8447, 14.3233)

Have a look what the booklet for
XYZ(70.6270, 84.8447, 14.3233)
contains.

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Color

**XYZ(70.6270, 84.8447,
14.3233)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F524
RGB	245, 245, 36
RGB Percent	96%, 96%, 14%
CMY	0.0392, 0.0392, 0.8588
CMYK	0.00, 0.00, 0.85, 0.04
HSL	60°, 91%, 55%
HSV	60°, 85%, 96%
XYZ	70.6270, 84.8447, 14.3233
YIQ	221.1740, 67.0890, -64.9990

Conversions

Conversions Part 2

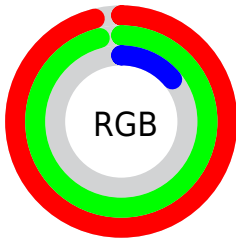
Format	Color
RYB	36, 245, 36
Decimal	16119076
CIELab	93.82, -20.47, 87.62
CIELCh	94, 89.981, 103.148
Yxy	84.8447, 0.4160, 0.4997
Android (android.graphics.Color)	4294309156 (0xFFFF5F524)
YUV	221.1740, -91.2908, 20.8954
Hunter-Lab	92.1112, -24.3282, 55.2582

Details

The XYZ color **70.6270, 84.8447, 14.3233** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **17.8420, 8.2310, 87.0400**, and the grayscale version is **69.4410, 73.0573, 79.5594**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **37.9648, 46.5855, 6.9910** is the 20% darker color. If you saturate the color by 10%, you get **70.3734, 84.7464, 12.9810**, and if you desaturate by 10%, it is **71.1399, 85.0531, 17.0140**.

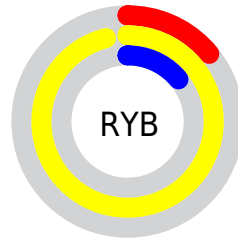
Distribution



Red (96%)

Green (96%)

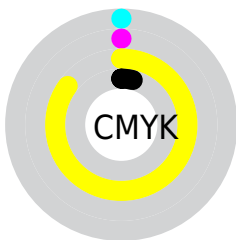
Blue (14%)



Red (14%)

Yellow (96%)

Blue (14%)

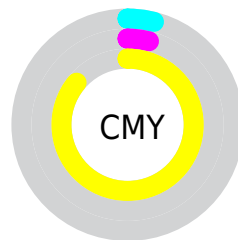


Cyan (0%)

Magenta (0%)

Yellow (85%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6270, 84.8447, 14.3233 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 70.6270, 84.8447, 14.3233 by changing the saturation by 10% instead.


 70.6270, 84.8447,
14.3233


 70.6270, 84.8447,
14.3233


451.9806,
511.1140, 230.7309

 52.3193, 63.7131,
8.2046


 119.1239,
140.1562, 34.3869

 37.4849, 46.4183,
4.1365


 150.0437,
175.1048, 49.1689


 25.7586, 32.5760,
1.7005


 185.8984,
215.4279, 67.6757

 16.7748, 21.8019,
0.3611

 227.0532,
261.5099, 90.3258

 10.1684, 13.7114,
0.0000

 273.8734,
313.7350, 117.5379

 5.5739, 7.9202,
0.0000

326.7245,

 2.6259, 4.0439,

372.4879, 149.7304

0.0000

385.9718,
438.1527, 187.3219

■ 0.9592, 1.6982,
0.0000

■ 0.0000, 0.4225,
0.0000

■ 70.6270, 84.8447,
14.3233

■ 70.6270, 84.8447,
14.3233

■ 70.3734, 84.7464,
12.9810


■ 71.1399, 85.0531,
17.0140

■ 70.3098, 84.7210,
12.6471


■ 71.9512, 85.3777,
21.2847


■ 73.0994, 85.8370,
27.3294


■ 74.6158, 86.4436,
35.3128

 76.5280, 87.2085,
45.3810

 78.8613, 88.1418,
57.6659

 81.6385, 89.2527,
72.2889

 84.8810, 90.5498,
89.3621

 88.3632, 91.9427,
107.6972

Harmonies

Analogous

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



94.7227, 84.8447, 14.9686



70.6270, 84.8447, 14.3233



53.1025, 84.8447, 25.7554

Triad

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



70.6270, 84.8447, 14.3233



51.5276, 84.8447, 214.9025



133.1498, 84.8447, 136.0656

Complementary

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



70.6270, 84.8447, 14.3233



17.8420, 8.2310, 87.0400

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.



116.3597, 84.8447, 225.6440



70.6270, 84.8447, 14.3233



68.0314, 84.8447, 284.4602

Square

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



70.6270, 84.8447, 14.3233



43.6372, 84.8447, 125.6969



91.5624, 84.8447, 289.1487



134.2273, 84.8447, 65.5435

Rectangle

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



70.6270, 84.8447, 14.3233



46.1772, 84.8447, 44.7468



91.5624, 84.8447, 289.1487



129.0249, 84.8447, 165.5565

Sweetspot

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



70.6289, 84.8487, 14.3250



86.1519, 96.4406, 62.0478



38.6085, 20.8037, 3.6508



18.2414, 20.5628, 12.2347



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.



70.6289, 84.8487, 14.3250



76.9965, 92.7782, 13.8498



43.8745, 71.0562, 13.0729



17.9147, 19.3136, 17.5813



37.8750, 45.6381, 6.8128



3.3289, 4.0112, 0.5988

Inverse Universe

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



17.8420, 8.2310, 87.0400



18.0501, 7.2201, 95.0500



28.0151, 13.4754, 87.5161



15.5813, 15.9268, 20.7955



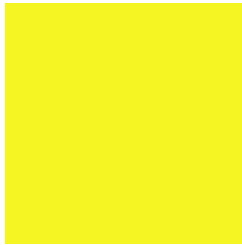
8.8790, 3.5516, 46.7556



0.7804, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 70.6270, 84.8447, 14.3233 looks on a white background.

Color Contrast Check

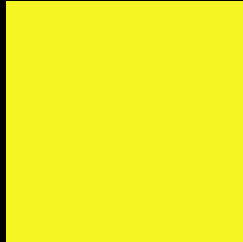
Large Text (above 18pt) WCAG AA × Fail

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 70.6270, 84.8447, 14.3233 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 70.6270, 84.8447, 14.3233

Background



This preview shows how black text looks on a background with the XYZ color 70.6270, 84.8447, 14.3233.



This preview shows how white text looks on a background with the XYZ color 70.6270, 84.8447,

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

70.6270, 84.8447, 14.3233

Protanopia

77.9572, 84.4016, 45.9006

Deuteranopia

81.9253, 84.6106, 71.0450



Tritanopia

85.8659, 84.3853, 97.3503

Trichromacy



Original Color

70.6270, 84.8447, 14.3233



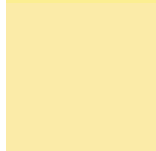
Protanomaly

74.0961, 84.0904, 28.8488



Deuteranomaly

75.4690, 83.7026, 38.9666



Tritanomaly

76.5599, 82.7530, 48.9836

Monochromacy



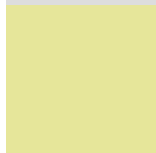
Original Color

70.6270, 84.8447, 14.3233



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.7627, 75.7497, 41.6742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6270, 84.8447, 14.3233 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(245, 245, 36)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 36)  
}
```

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(245, 245, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 36) }
```

Border

The CSS property to change the border of an element to XYZ 70.6270, 84.8447, 14.3233 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(245, 245, 36) }
```


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

```
.border{ border-color:rgb(245, 245, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 36);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6270, 84.8447, 14.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 36) }
```

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

```
.background{ background-color: rgb(245,  
245, 36) }
```

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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