

Converting Colors

XYZ(69.9900, 84.0687, 14.4397)

Have a look what the booklet for
XYZ(69.9900, 84.0687, 14.4397)
contains.

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Color

**XYZ(70.0251, 84.0809,
14.4580)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F427
RGB	244, 244, 39
RGB Percent	96%, 96%, 15%
CMY	0.0431, 0.0431, 0.8470
CMYK	0.00, 0.00, 0.84, 0.04
HSL	60°, 90%, 55%
HSV	60°, 84%, 96%
XYZ	70.0251, 84.0809, 14.4580
YIQ	220.6300, 65.8050, -63.7550

Conversions

Conversions Part 2

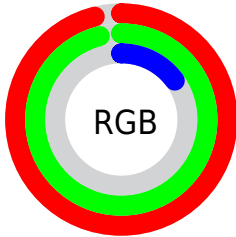
Format	Color
R_{YB}	39, 244, 39
Decimal	16053287
CIE _{Lab}	93.49, -20.33, 86.73
CIE _{LCh}	93, 89.086, 103.194
Yxy	84.0809, 0.4154, 0.4988
Android (android.graphics.Color)	4294243367 (0xFFFF4F427)
YUV	220.6300, -89.5436, 20.4955
Hunter-Lab	91.6956, -24.1525, 54.8385

Details

The XYZ color **70.0251, 84.0809, 14.4580** 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 **17.8935, 8.4156, 86.2745**, and the grayscale version is **69.0461, 72.6419, 79.1070**.

A 20% lighter version of the original color is **79.6538, 93.8415, 27.8249**, and **37.5117, 46.0337, 6.9083** is the 20% darker color. If you saturate the color by 10%, you get **69.7438, 83.9715, 12.9698**, and if you desaturate by 10%, it is **70.5697, 84.3019, 17.3159**.

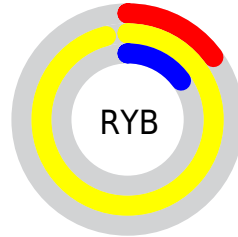
Distribution



Red (96%)

Green (96%)

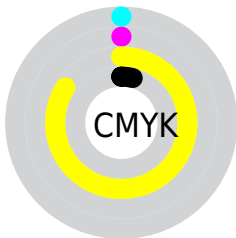
Blue (15%)



Red (15%)

Yellow (96%)

Blue (15%)

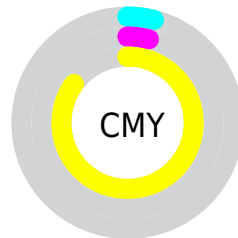


Cyan (0%)

Magenta (0%)

Yellow (84%)

Black (4%)



Cyan (4%)

Magenta (4%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0251, 84.0809, 14.4580 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 70.0251, 84.0809, 14.4580 by changing the saturation by 10% instead.

70.0251, 84.0809,
14.4580

70.0251, 84.0809,
14.4580

449.9032,
508.5818, 231.5884

51.8267, 63.0822,
8.2975

118.2706,
139.0883, 34.6282

37.0906, 45.9077,
4.1954

149.0484,
173.8659, 49.4751

25.4517, 32.1730,
1.7332

184.7501,
214.0052, 68.0545

16.5444, 21.4937,
0.3833

225.7409,
259.8907, 90.7850

10.0035, 13.4853,
0.0000

272.3862,
311.9067, 118.0850

5.4636, 7.7636,
0.0000

325.0515,

2.5593, 3.9441,

370.4376, 150.3733

0.0000

384.1020,
435.8679, 188.0682

■ 0.9252, 1.6423,
0.0000

■ 0.0000, 0.3859,
0.0000

■ 70.0251, 84.0809,
14.4580

■ 70.0251, 84.0809,
14.4580

■ 69.7438, 83.9715,
12.9698


■ 70.5697, 84.3019,
17.3159


■ 69.6601, 83.9380,
12.5302


■ 71.4150, 84.6401,
21.7653


■ 72.5981, 85.1134,
27.9941


■ 74.1496, 85.7340,
36.1626

 76.0965, 86.5128,
46.4134

 78.4634, 87.4596,
58.8757

 81.2728, 88.5834,
73.6681

 84.5456, 89.8926,
90.9010

 87.7133, 91.1597,
107.5803

Harmonies

Analogous

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



93.7293, 84.0809, 15.0847



70.0251, 84.0809, 14.4580



52.7689, 84.0809, 25.8377

Triad

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



70.0251, 84.0809, 14.4580



51.2539, 84.0809, 212.0111



131.5422, 84.0809, 134.3725

Complementary

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



70.0251, 84.0809, 14.4580



17.8935, 8.4156, 86.2745

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.



115.0690, 84.0809, 222.2855



70.0251, 84.0809, 14.4580



67.5319, 84.0809, 280.1267

Square

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



70.0251, 84.0809, 14.4580



43.4553, 84.0809, 124.4352



90.6978, 84.0809, 284.6074



132.5742, 84.0809, 65.0379

Rectangle

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



70.0251, 84.0809, 14.4580



45.9456, 84.0809, 44.6545



90.6978, 84.0809, 284.6074



127.4990, 84.0809, 163.3261

Sweetspot

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



70.0270, 84.0848, 14.4597



86.4307, 96.5522, 63.5156



38.4028, 20.8327, 3.9176



18.2947, 20.5841, 12.5152



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.



70.0270, 84.0848, 14.4597



76.9966, 92.7783, 13.8498



43.7904, 70.5594, 13.2319



17.9147, 19.3136, 17.5813



37.8751, 45.6381, 6.8128



3.3289, 4.0112, 0.5988

Inverse Universe

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



17.8935, 8.4156, 86.2745



18.0501, 7.2201, 95.0500



28.1274, 13.6914, 86.7534



15.5813, 15.9268, 20.7955



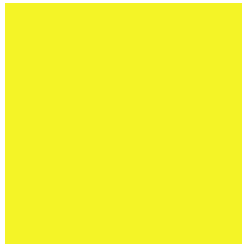
8.8790, 3.5516, 46.7556



0.7804, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 70.0251, 84.0809, 14.4580 looks on a white background.

Color Contrast Check

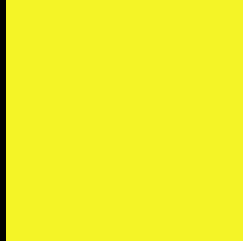
Large Text (above 18pt) WCAG AA × Fail

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 70.0251, 84.0809, 14.4580 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 70.0251, 84.0809, 14.4580

Background



This preview shows how black text looks on a background with the XYZ color 70.0251, 84.0809, 14.4580.



This preview shows how white text looks on a background with the XYZ color 70.0251, 84.0809,

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

70.0251, 84.0809, 14.4580

Protanopia

77.0682, 83.5840, 42.6432

Deuteranopia

81.3984, 83.9456, 69.6706



Tritanopia

85.4370, 83.7697, 96.4602

Trichromacy



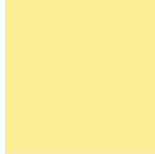
Original Color

70.0251, 84.0809, 14.4580



Protanomaly

73.5748, 83.4121, 27.5516



Deuteranomaly

75.1787, 83.1219, 38.8699



Tritanomaly

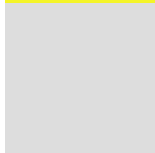
76.3679, 82.2194, 49.3810

Monochromacy



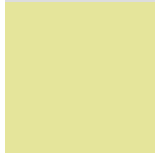
Original Color

70.0251, 84.0809, 14.4580



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.2488, 75.0632, 42.0073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0251, 84.0809, 14.4580 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(244, 244, 39)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 39)  
}
```

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(244, 244, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 39) }
```

Border

The CSS property to change the border of an element to XYZ 70.0251, 84.0809, 14.4580 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(244, 244, 39) }
```


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

```
.border{ border-color:rgb(244, 244, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 39);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0251, 84.0809, 14.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 39) }
```

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

```
.background{ background-color: rgb(244,  
244, 39) }
```

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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