

Converting Colors

XYZ(69.2860, 75.3771, 17.3672)

Have a look what the booklet for
XYZ(69.2860, 75.3771, 17.3672)
contains.

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Color

**XYZ(69.4012, 75.6048,
17.4139)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE14A
RGB	255, 225, 74
RGB Percent	100%, 88%, 29%
CMY	0.0000, 0.1176, 0.7098
CMYK	0.00, 0.12, 0.71, 0.00
HSL	50°, 100%, 65%
HSV	50°, 71%, 100%
XYZ	69.4012, 75.6048, 17.4139
YIQ	216.7560, 66.3510, -40.6010

Conversions

Conversions Part 2

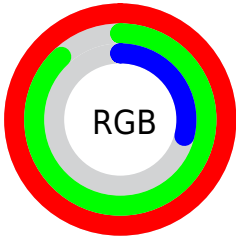
Format	Color
R_{YB}	110, 255, 74
Decimal	16769354
CIE Lab	89.68, -5.26, 73.64
CIE LCh	90, 73.825, 94.082
Yxy	75.6048, 0.4273, 0.4655
Android (android.graphics.Color)	4294959434 (0xFFFFE14A)
YUV	216.7560, -70.3787, 33.5400
Hunter-Lab	86.9510, -9.6920, 48.9916

Details

The XYZ color **69.4012, 75.6048, 17.4139** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **25.8244, 18.5761, 96.8315**, and the grayscale version is **66.2230, 69.6717, 75.8725**.

A 20% lighter version of the original color is **81.0967, 94.4187, 35.4231**, and **36.6229, 40.2188, 5.8328** is the 20% darker color. If you saturate the color by 10%, you get **67.5824, 73.0749, 13.3942**, and if you desaturate by 10%, it is **71.5997, 78.3377, 23.2783**.

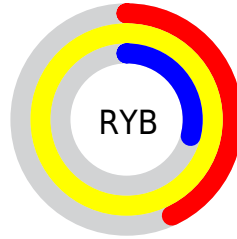
Distribution



Red (100%)

Green (88%)

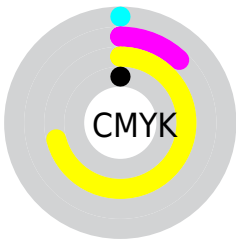
Blue (29%)



Red (43%)

Yellow (100%)

Blue (29%)

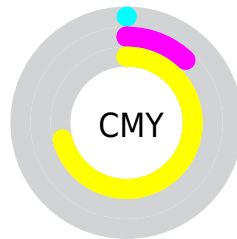


Cyan (0%)

Magenta (12%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4012, 75.6048, 17.4139 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 69.4012, 75.6048, 17.4139 by changing the saturation by 10% instead.

69.4012, 75.6048,
17.4139

69.4012, 75.6048,
17.4139

447.7440,
479.9938, 249.6706

51.3163, 56.1085,
10.3650

117.3854,
127.1681, 39.8364

36.6825, 40.2899,
5.5328

148.0154,
160.0039, 56.0471

25.1343, 27.7647,
2.4990

183.5578,
198.0550, 76.1487

16.3064, 18.1483,
0.8396

224.3781,
241.7058, 100.5599

9.8335, 11.0565,
0.0000

270.8414,
291.3407, 129.6991

5.3501, 6.1049,
0.0000

323.3133,

2.4910, 2.9090,

347.3441, 163.9849

0.0000

382.1590,
410.1003, 203.8359

■ 0.8907, 1.0844,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.4012, 75.6048,
17.4139

■ 69.4012, 75.6048,
17.4139

■ 67.5824, 73.0749,
13.3942

■ 71.5997, 78.3377,
23.2783

■ 66.0929, 70.7186,
10.9775

■ 74.2104, 81.2781,
31.1806

■ 64.9695, 68.7194,
9.8399

■ 77.2679, 84.4431,
41.2944

■ 80.8017, 87.8448,
53.7738

■ 84.8385, 91.4941,
68.7588

■ 89.4031, 95.4014,
86.3786

■ 94.5185, 99.5761,
106.7536

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



88.2391, 75.6048, 21.1342



69.4012, 75.6048, 17.4139



54.0046, 75.6048, 24.1444

Triad

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



69.4012, 75.6048, 17.4139



46.6322, 75.6048, 152.0930



108.0900, 75.6048, 134.2605

Complementary

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



69.4012, 75.6048, 17.4139



25.8244, 18.5761, 96.8315

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.



93.2723, 75.6048, 196.1234



69.4012, 75.6048, 17.4139



57.6448, 75.6048, 209.1076

Square

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



69.4012, 75.6048, 17.4139



42.3391, 75.6048, 89.6522



74.3764, 75.6048, 227.9084



112.6497, 75.6048, 75.4003

Rectangle

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



69.4012, 75.6048, 17.4139



47.1150, 75.6048, 36.4671



74.3764, 75.6048, 227.9084



104.0337, 75.6048, 156.0800

Sweetspot

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



69.4029, 75.6084, 17.4154



84.8298, 91.4866, 68.7240



46.1962, 27.1610, 15.9500



17.9075, 19.3608, 13.7692



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.



69.4029, 75.6084, 17.4154



66.9470, 72.1077, 12.2446



59.4159, 83.5718, 19.4789



19.2899, 20.5480, 19.0938



34.0431, 36.0975, 5.1732



3.3797, 3.6448, 0.5254

Inverse Universe

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



25.8244, 18.5761, 96.8315



21.3186, 12.5568, 95.9078



30.3842, 17.2142, 96.3283



17.2462, 17.8639, 22.7891



9.9398, 4.7891, 49.8351



1.0330, 0.5968, 4.8740

Previews

White Background



This preview shows how the XYZ color 69.4012, 75.6048, 17.4139 looks on a white background.

Color Contrast Check

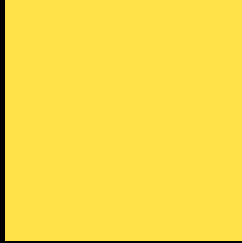
Large Text (above 18pt) WCAG AA × Fail

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 69.4012, 75.6048, 17.4139 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 69.4012, 75.6048, 17.4139

Background



This preview shows how black text looks on a background with the XYZ color 69.4012, 75.6048, 17.4139.



This preview shows how white text looks on a background with the XYZ color 69.4012, 75.6048,

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

69.4012, 75.6048, 17.4139

Protanopia

68.5773, 75.5826, 17.4531

Deuteranopia

74.3760, 75.4635, 50.1810



Tritanopia

79.2679, 75.3519, 82.3180

Trichromacy



Original Color

69.4012, 75.6048, 17.4139

Protanomaly

68.9404, 75.7698, 17.4700

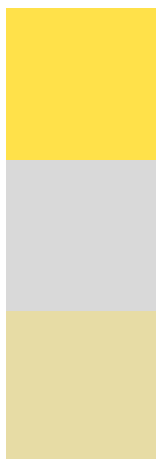
Deuteranomaly

71.8766, 75.3087, 34.4146

Tritanomaly

73.9222, 74.8633, 49.0820

Monochromacy



Original Color

69.4012, 75.6048, 17.4139

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.3397, 70.8919, 45.8370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4012, 75.6048, 17.4139 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(255, 225, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 74)  
}
```

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(255, 225, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 74) }
```

Border

The CSS property to change the border of an element to XYZ 69.4012, 75.6048, 17.4139 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(255, 225, 74) }
```


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

```
.border{ border-color:rgb(255, 225, 74) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4012, 75.6048, 17.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 74) }
```

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

```
.background{ background-color: rgb(255,  
225, 74) }
```

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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