

Converting Colors

XYZ(68.4777, 74.6869, 14.2417)

Have a look what the booklet for
XYZ(68.4777, 74.6869, 14.2417)
contains.

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Color

**XYZ(68.5615, 74.8377,
14.3216)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE036
RGB	255, 224, 54
RGB Percent	100%, 88%, 21%
CMY	0.0000, 0.1215, 0.7882
CMYK	0.00, 0.12, 0.79, 0.00
HSL	51°, 100%, 61%
HSV	51°, 79%, 100%
XYZ	68.5615, 74.8377, 14.3216
YIQ	213.8890, 73.0460, -46.2980

Conversions

Conversions Part 2

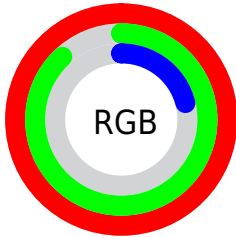
Format	Color
R _Y B	91, 255, 54
Decimal	16769078
CIE Lab	89.32, -5.53, 79.87
CIE LCh	89, 80.060, 93.963
Yxy	74.8377, 0.4347, 0.4745
Android (android.graphics.Color)	4294959158 (0xFFFE036)
YUV	213.8890, -78.8253, 36.0543
Hunter-Lab	86.5088, -9.9223, 50.7406

Details

The XYZ color **68.5615, 74.8377, 14.3216** 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 **22.8200, 14.5013, 96.2032**, and the grayscale version is **64.3232, 67.6731, 73.6960**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **36.4361, 39.8453, 5.7705** is the 20% darker color. If you saturate the color by 10%, you get **67.0683, 72.5719, 11.6036**, and if you desaturate by 10%, it is **70.3961, 77.2850, 18.7016**.

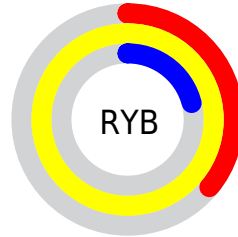
Distribution



Red (100%)

Green (88%)

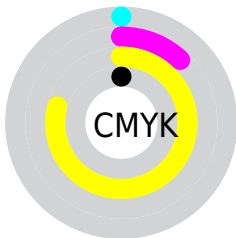
Blue (21%)



Red (36%)

Yellow (100%)

Blue (21%)

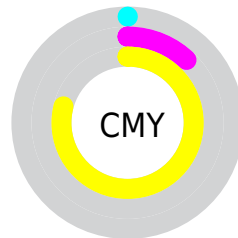


Cyan (0%)

Magenta (12%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5615, 74.8377, 14.3216 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 68.5615, 74.8377, 14.3216 by changing the saturation by 10% instead.

68.5615, 74.8377,
14.3216

68.5615, 74.8377,
14.3216

444.8285,
477.3595, 230.7200

50.6300, 55.4799,
8.2034

116.1926,
126.0826, 34.3839

36.1341, 39.7861,
4.1357

146.6228,
158.7385, 49.1650

24.7084, 27.3718,
1.7001

181.9501,
196.5959, 67.6709

15.9875, 17.8527,
0.3608

222.5397,
240.0393, 90.3200

9.6061, 10.8443,
0.0000

268.7570,
289.4529, 117.5310

5.1988, 5.9622,
0.0000

320.9673,

2.4003, 2.8221,

345.2212, 149.7223

0.0000

379.5360,
407.7286, 187.3124

■ 0.8453, 1.0396,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5615, 74.8377,
14.3216

■ 68.5615, 74.8377,
14.3216

■ 67.0683, 72.5719,
11.6036

■ 70.3961, 77.2850,
18.7016

■ 65.8486, 70.4515,
10.2143

■ 72.6101, 79.9205,
24.9658

■ 65.7134, 70.2074,
10.0879

■ 75.2418, 82.7626,
33.3071

■ 78.3231, 85.8245,
43.8934

■ 81.8828, 89.1179,
56.8751

■ 85.9472, 92.6535,
72.3899

■ 90.5405, 96.4413,
90.5649

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



88.9625, 74.8377, 17.9411



68.5615, 74.8377, 14.3216



52.1096, 74.8377, 20.7967

Triad

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



68.5615, 74.8377, 14.3216



44.2603, 74.8377, 157.7483



110.5874, 74.8377, 138.5435

Complementary

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



68.5615, 74.8377, 14.3216



22.8200, 14.5013, 96.2032

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.



94.2953, 74.8377, 207.5548



68.5615, 74.8377, 14.3216



55.8572, 74.8377, 221.7607

Square

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



68.5615, 74.8377, 14.3216



39.8047, 74.8377, 89.1641



73.7639, 74.8377, 243.2389



115.6684, 74.8377, 74.2610

Rectangle

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



68.5615, 74.8377, 14.3216



44.8321, 74.8377, 33.1020



73.7639, 74.8377, 243.2389



106.1100, 74.8377, 162.7640

Sweetspot

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



68.5632, 74.8413, 14.3231



83.7782, 90.7922, 64.0303



44.3002, 24.5953, 11.5381



17.6298, 19.1673, 12.5609



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.



68.5632, 74.8413, 14.3231



66.2908, 71.2479, 10.6307



57.1652, 82.4774, 16.3978



19.3086, 20.5854, 19.1000



34.4269, 36.8650, 5.3012



3.4136, 3.7125, 0.5367

Inverse Universe

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



22.8200, 14.5013, 96.2032



19.3574, 9.5938, 95.4393



27.2552, 13.9242, 95.8581



17.2291, 17.8298, 22.7834



9.8830, 4.6755, 49.8162



1.0250, 0.5807, 4.8713

Previews

White Background



This preview shows how the XYZ color 68.5615, 74.8377, 14.3216 looks on a white background.

Color Contrast Check

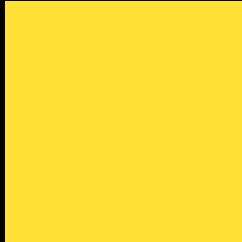
Large Text (above 18pt) WCAG AA × Fail

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 68.5615, 74.8377, 14.3216 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 68.5615, 74.8377, 14.3216

Background



This preview shows how black text looks on a background with the XYZ color 68.5615, 74.8377, 14.3216.



This preview shows how white text looks on a background with the XYZ color 68.5615, 74.8377,

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

68.5615, 74.8377, 14.3216

Protanopia

67.7360, 74.8122, 14.3602

Deuteranopia

73.6394, 74.7502, 47.5928



Tritanopia

78.8772, 74.7894, 81.5127

Trichromacy



Original Color

68.5615, 74.8377, 14.3216

Protanomaly

68.0991, 74.9994, 14.3772



Deuteranomaly

70.9272, 74.5052, 30.7214



Tritanomaly

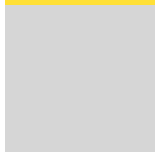
72.9223, 74.0472, 45.0994

Monochromacy



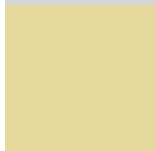
Original Color

68.5615, 74.8377, 14.3216



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

63.3853, 69.2011, 41.4689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5615, 74.8377, 14.3216 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, 224, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 54)  
}
```

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, 224, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 54) }
```

Border

The CSS property to change the border of an element to XYZ 68.5615, 74.8377, 14.3216 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, 224, 54) }
```


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

```
.border{ border-color:rgb(255, 224, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5615, 74.8377, 14.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 54) }
```

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

```
.background{ background-color: rgb(255,  
224, 54) }
```

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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