

Converting Colors

XYZ(85.0031, 78.4833, 14.3618)

Have a look what the booklet for
XYZ(85.0031, 78.4833, 14.3618)
contains.

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Color

**XYZ(65.2481, 68.1341,
13.4536)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD338
RGB	255, 211, 56
RGB Percent	100%, 83%, 22%
CMY	0.0000, 0.1725, 0.7804
CMYK	0.00, 0.17, 0.78, 0.00
HSL	47°, 100%, 61%
HSV	47°, 78%, 100%
XYZ	65.2481, 68.1341, 13.4536
YIQ	206.4860, 75.9790, -38.8770

Conversions

Conversions Part 2

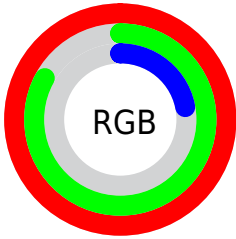
Format	Color
R _Y B	112, 255, 56
Decimal	16765752
CIE Lab	86.07, 1.10, 76.37
CIE LCh	86, 76.382, 89.172
Yxy	68.1341, 0.4444, 0.4640
Android (android.graphics.Color)	4294955832 (0xFFFFD338)
YUV	206.4860, -74.1896, 42.5468
Hunter-Lab	82.5434, -3.3520, 48.1168

Details

The XYZ color **65.2481, 68.1341, 13.4536** 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 **24.2381, 17.1749, 96.6447**, and the grayscale version is **59.4070, 62.5008, 68.0633**.

A 20% lighter version of the original color is **80.0945, 94.0178, 30.1455**, and **34.3051, 35.5833, 5.0602** is the 20% darker color. If you saturate the color by 10%, you get **63.4004, 65.1959, 10.5049**, and if you desaturate by 10%, it is **67.4652, 71.3041, 18.0917**.

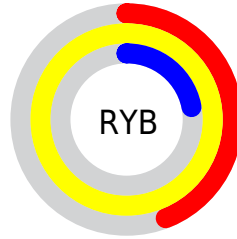
Distribution



Red (100%)

Green (83%)

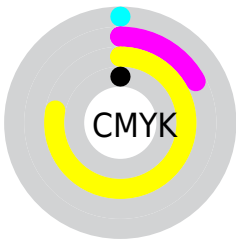
Blue (22%)



Red (44%)

Yellow (100%)

Blue (22%)

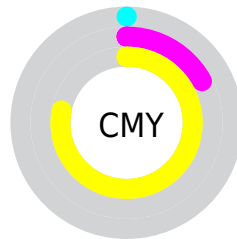


Cyan (0%)

Magenta (17%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2481, 68.1341, 13.4536 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 65.2481, 68.1341, 13.4536 by changing the saturation by 10% instead.

65.2481, 68.1341,
13.4536

65.2481, 68.1341,
13.4536

433.2141,
453.9710, 225.1136

47.9277, 50.0068,
7.6072

111.4702,
116.5440, 32.8194

33.9807, 35.4188,
3.7605

141.1026,
147.5954, 47.1759

23.0416, 23.9857,
1.4949

175.5698,
183.7236, 65.2062

14.7451, 15.3230,
0.2141

215.2371,
225.3130, 87.3288

8.7258, 9.0464,
0.0000

260.4698,
272.7481, 113.9624

4.6184, 4.7715,
0.0000

311.6333,

2.0576, 2.1138,

326.4132, 145.5253

0.0000

369.0930,
386.6927, 182.4362

■ 0.6660, 0.6724,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.2481, 68.1341,
13.4536

■ 65.2481, 68.1341,
13.4536

■ 63.4004, 65.1959,
10.5049

■ 67.4652, 71.3041,
18.0917

■ 61.8594, 62.4554,
8.9385

■ 70.0900, 74.7138,
24.6386

■ 61.5771, 61.9346,
8.7091

■ 73.1604, 78.3819,
33.2849

■ 76.7084, 82.3220,
44.1970

■ 80.7629, 86.5464,
57.5245

■ 85.3503, 91.0663,
73.4042

■ 90.4951, 95.8922,
91.9625

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.



83.6272, 68.1341, 18.3131



65.2481, 68.1341, 13.4536



49.6713, 68.1341, 17.7692

Triad

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



65.2481, 68.1341, 13.4536



39.5481, 68.1341, 131.9327



98.2542, 68.1341, 135.5140

Complementary

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



65.2481, 68.1341, 13.4536



24.2381, 17.1749, 96.6447

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.



82.6300, 68.1341, 194.5299



65.2481, 68.1341, 13.4536



48.9671, 68.1341, 191.8873

Square

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



65.2481, 68.1341, 13.4536



36.5504, 68.1341, 72.7991



64.2732, 68.1341, 218.7492



104.6769, 68.1341, 75.5913

Rectangle

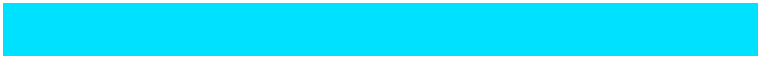
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2481, 68.1341, 13.4536



42.4440, 68.1341, 27.2587



64.2732, 68.1341, 218.7492



93.7799, 68.1341, 156.9542

Sweetspot

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



65.2496, 68.1374, 13.4549



83.0060, 88.7860, 65.1962



45.0742, 25.0568, 15.1452



17.4195, 18.6585, 12.7628



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.



65.2496, 68.1374, 13.4549



62.4509, 63.5404, 9.4362



60.8130, 84.3525, 16.8186



19.2005, 20.3692, 19.0640



32.2914, 32.5941, 4.5893



3.2241, 3.3336, 0.4735

Inverse Universe

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



24.2381, 17.1749, 96.6447



20.3367, 11.4937, 95.7544



25.7797, 13.3046, 95.8164



17.3286, 18.0288, 22.8165



10.2695, 5.4485, 49.9450



1.0766, 0.6839, 4.8885

Previews

White Background



This preview shows how the XYZ color 65.2481, 68.1341, 13.4536 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 65.2481, 68.1341, 13.4536 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 65.2481, 68.1341, 13.4536

Background



This preview shows how black text looks on a background with the XYZ color 65.2481, 68.1341, 13.4536.



This preview shows how white text looks on a background with the XYZ color 65.2481, 68.1341,

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

65.2481, 68.1341, 13.4536

Protanopia

61.9123, 68.2844, 13.7880

Deuteranopia

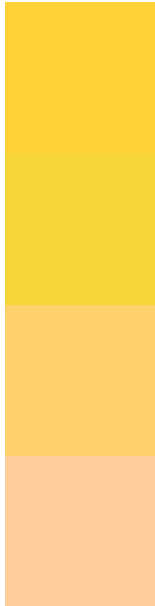
68.0990, 68.0930, 32.1083



Tritanopia

74.1369, 67.8374, 72.1373

Trichromacy



Original Color

65.2481, 68.1341, 13.4536

Protanomaly

63.1429, 68.1627, 13.6996

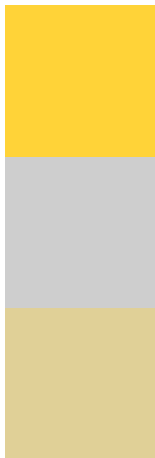
Deuteranomaly

66.6420, 67.9015, 23.2296

Tritanomaly

69.0721, 67.3229, 40.8066

Monochromacy



Original Color

65.2481, 68.1341, 13.4536

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.8823, 63.1934, 38.3723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2481, 68.1341, 13.4536 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, 211, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 56)  
}
```

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, 211, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 56) }
```

Border

The CSS property to change the border of an element to XYZ 65.2481, 68.1341, 13.4536 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, 211, 56) }
```


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

```
.border{ border-color:rgb(255, 211, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2481, 68.1341, 13.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 56) }
```

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

```
.background{ background-color: rgb(255,  
211, 56) }
```

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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