

Converting Colors

XYZ(37.1323, 67.6413, 16.4109)

Have a look what the booklet for
XYZ(37.1323, 67.6413, 16.4109)
contains.

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Color

**XYZ(37.0589, 67.4594,
16.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	51F543
RGB	81, 245, 67
RGB Percent	32%, 96%, 26%
CMY	0.6824, 0.0392, 0.7372
CMYK	0.67, 0.00, 0.73, 0.04
HSL	115°, 90%, 61%
HSV	115°, 73%, 96%
XYZ	37.0589, 67.4594, 16.3780
YIQ	175.6720, -40.6060, -90.1260

Conversions

Conversions Part 2

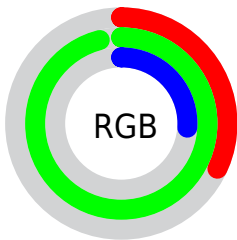
Format	Color
RYB	67, 245, 231
Decimal	5371203
CIELab	85.74, -73.24, 69.04
CIELCh	86, 100.651, 136.690
Yxy	67.4594, 0.3065, 0.5580
Android (android.graphics.Color)	4283561283 (0xFF51F543)
YUV	175.6720, -53.5753, -83.0273
Hunter-Lab	82.1337, -63.1943, 45.6708

Details

The XYZ color **37.0589, 67.4594, 16.3780** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **51.4482, 27.5987, 89.0053**, and the grayscale version is **41.3829, 43.5381, 47.4130**.

A 20% lighter version of the original color is **51.8561, 79.3902, 31.9928**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **34.8506, 66.3907, 13.2162**, and if you desaturate by 10%, it is **40.2238, 68.9893, 21.2089**.

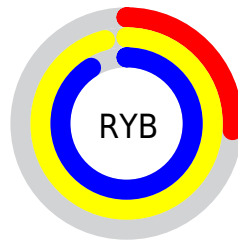
Distribution



Red (32%)

Green (96%)

Blue (26%)



Red (26%)

Yellow (96%)

Blue (91%)

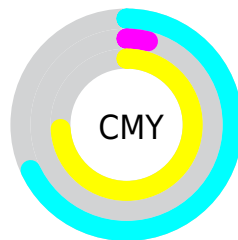


Cyan (67%)

Magenta (0%)

Yellow (73%)

Black (4%)



Cyan (68%)


Magenta (4%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0589, 67.4594, 16.3780 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 37.0589, 67.4594, 16.3780 by changing the saturation by 10% instead.


 37.0589, 67.4594,
16.3780


 37.0589, 67.4594,
16.3780


324.9166,
451.5783, 243.4834


 25.4270, 49.4581,
9.6348


 69.9766, 115.5784,
38.0291

 16.5259, 34.9830,
5.0551


 91.9931, 146.4649,
53.7740


 9.9902, 23.6498,
2.2203


 118.2018,
182.4152, 73.3566

 5.4547, 15.0740,
0.6860

 148.9682,
223.8138, 97.1954

 2.5539, 8.8714,
0.0000

 184.6575,
271.0450, 125.7090

 0.9225, 4.6574,
0.0000

225.6350,

 0.0000, 2.0477,

324.4932, 159.3158

0.0000

272.2663,
384.5428, 198.4344

0.0000, 0.6349,
0.0000

0.0000, 0.0000,
0.0000

37.0589, 67.4594,
16.3780

37.0589, 67.4594,
16.3780

34.8506, 66.3907,
13.2162

40.2238, 68.9893,
21.2089


33.4854, 65.7236,
11.4936


44.4328, 71.0156,
27.8909


32.9275, 65.4486,
10.8974

49.7690, 73.5796,
36.5871

56.3056, 76.7159,
47.4415

 64.1098, 80.4562,
60.5851

 73.2436, 84.8301,
76.1383

 83.7650, 89.8649,
94.2132

 91.9438, 93.7875,
107.8646

Harmonies

Analogous

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



52.2561, 67.4594, 6.7092



37.0589, 67.4594, 16.3780



30.0358, 67.4594, 48.0177

Triad

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



37.0589, 67.4594, 16.3780



54.4813, 67.4594, 277.9978



116.3880, 67.4594, 42.7941

Complementary

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



37.0589, 67.4594, 16.3780



51.4482, 27.5987, 89.0053

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.



117.3937, 67.4594, 106.5773



37.0589, 67.4594, 16.3780



77.6518, 67.4594, 273.3370

Square

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



37.0589, 67.4594, 16.3780



38.3511, 67.4594, 209.2214



101.9084, 67.4594, 198.8041



99.4215, 67.4594, 14.5147

Rectangle

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



37.0589, 67.4594, 16.3780



29.5049, 67.4594, 89.1881



101.9084, 67.4594, 198.8041



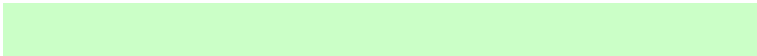
118.7238, 67.4594, 59.6848

Sweetspot

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



37.0605, 67.4622, 16.3795



70.7704, 88.3790, 67.3008



67.0156, 76.5077, 16.5466



14.6153, 18.6617, 13.5040



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.



37.0605, 67.4622, 16.3795



37.3814, 72.3239, 13.4396



39.7896, 68.4293, 36.3777



16.4029, 18.5342, 17.5105



17.7816, 35.2796, 5.8725



1.6038, 3.1218, 0.5180

Inverse Universe

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



51.4482, 27.5987, 89.0053



53.7099, 26.4169, 96.8759



47.0007, 26.3626, 41.0589



17.0776, 16.6981, 20.8655



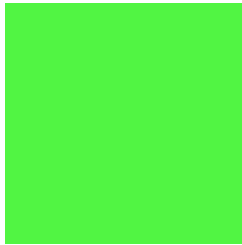
25.7860, 12.2675, 47.5468



2.3038, 1.0975, 4.1807

Previews

White Background



This preview shows how the XYZ color 37.0589, 67.4594, 16.3780 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 37.0589, 67.4594, 16.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

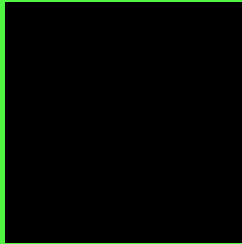
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0589, 67.4594, 16.3780

Background



This preview shows how black text looks on a background with the XYZ color 37.0589, 67.4594, 16.3780.

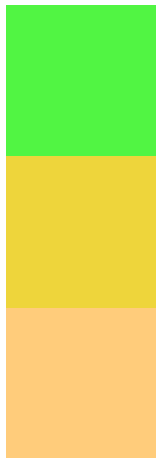


This preview shows how white text looks on a background with the XYZ color 37.0589, 67.4594,

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

37.0589, 67.4594, 16.3780

Protanopia

59.8436, 66.0814, 13.7386

Deuteranopia

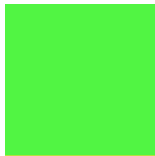
66.4080, 65.8758, 27.9541



Tritanopia

53.2653, 67.1140, 98.1426

Trichromacy



Original Color

37.0589, 67.4594, 16.3780



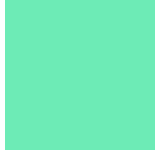
Protanomaly

46.8508, 64.0220, 14.4456



Deuteranomaly

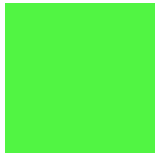
49.5179, 62.8488, 22.3531



Tritanomaly

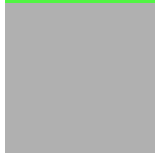
44.4585, 66.0453, 54.6608

Monochromacy



Original Color

37.0589, 67.4594, 16.3780



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.3151, 49.2136, 30.8777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0589, 67.4594, 16.3780 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(81, 245, 67)` looks like.

```
.text, #text, p{  
    color:rgb(81, 245, 67)  
}
```

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(81, 245, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 245, 67) }
```

Border

The CSS property to change the border of an element to XYZ 37.0589, 67.4594, 16.3780 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(81, 245, 67) }
```


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

```
.border{ border-color:rgb(81, 245, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 245, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 245, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 245, 67);  
box-shadow:4px 4px 4px 4px rgb(81, 245,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0589, 67.4594, 16.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 245, 67) }
```

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

```
.background{ background-color: rgb(81, 245,  
67) }
```

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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