

Converting Colors

XYZ(37.5913, 67.6386, 16.6306)

Have a look what the booklet for
XYZ(37.5913, 67.6386, 16.6306)
contains.

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Color

**XYZ(37.6571, 67.7607,
16.7246)**

Conversions

Conversions Part 1

Format	Color
Hex	57F545
RGB	87, 245, 69
RGB Percent	34%, 96%, 27%
CMY	0.6588, 0.0392, 0.7294
CMYK	0.64, 0.00, 0.72, 0.04
HSL	114°, 90%, 62%
HSV	114°, 72%, 96%
XYZ	37.6571, 67.7607, 16.7246
YIQ	177.6940, -37.6720, -88.2320

Conversions

Conversions Part 2

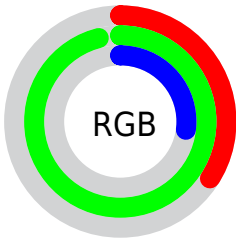
Format	Color
RYB	69, 245, 227
Decimal	5764421
CIELab	85.89, -71.94, 68.56
CIELCh	86, 99.372, 136.378
Yxy	67.7607, 0.3083, 0.5548
Android (android.graphics.Color)	4283954501 (0xFF57F545)
YUV	177.6940, -53.5861, -79.5386
Hunter-Lab	82.3169, -62.3970, 45.5757

Details

The XYZ color **37.6571, 67.7607, 16.7246** 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 **50.2923, 27.1824, 88.9858**, and the grayscale version is **42.4453, 44.6558, 48.6302**.

A 20% lighter version of the original color is **52.9172, 79.9223, 32.7162**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **35.2983, 66.6172, 13.4310**, and if you desaturate by 10%, it is **40.9583, 69.3578, 21.7027**.

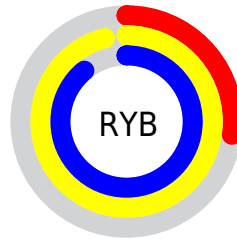
Distribution



Red (34%)

Green (96%)

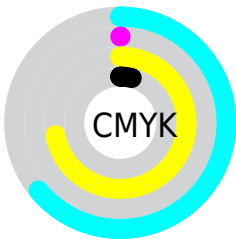
Blue (27%)



Red (27%)

Yellow (96%)

Blue (89%)

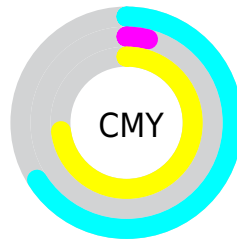


Cyan (64%)

Magenta (0%)

Yellow (72%)

Black (4%)



Cyan (66%)

Magenta (4%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6571, 67.7607, 16.7246 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 37.6571, 67.7607, 16.7246 by changing the saturation by 10% instead.

37.6571, 67.7607,
16.7246

37.6571, 67.7607,
16.7246

327.4531,
452.6477, 245.5703

25.8927, 49.7031,
9.8785

70.8895, 116.0097,
38.6358

16.8756, 35.1775,
5.2139

93.0883, 146.9699,
54.5379

10.2406, 23.7997,
2.3124

119.4958,
182.9998, 74.2958

5.6223, 15.1851,
0.7381

150.4775,
224.4837, 98.3280

2.6552, 8.9494,
0.0000

186.3987,
271.8061, 127.0530

0.9742, 4.7082,
0.0000

227.6248,

0.0000, 2.0771,

325.3512, 160.8893

0.0000

274.5212,
385.5037, 200.2556

0.0000, 0.6517,
0.0000

0.0000, 0.0000,
0.0000

37.6571, 67.7607,
16.7246

37.6571, 67.7607,
16.7246

35.2983, 66.6172,
13.4310

40.9583, 69.3578,
21.7027


33.7768, 65.8718,
11.5964


45.2830, 71.4403,
28.5445


33.0559, 65.5148,
10.9034

50.7089, 74.0469,
37.4113

57.3049, 77.2098,
48.4459

 65.1341, 80.9589,
61.7779

 74.2551, 85.3218,
77.5270

 84.7228, 90.3244,
95.8044

 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.



52.8470, 67.7607, 7.0543



37.6571, 67.7607, 16.7246



30.5741, 67.7607, 48.0449

Triad

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



37.6571, 67.7607, 16.7246



54.6466, 67.7607, 274.6254



116.1147, 67.7607, 43.8072

Complementary

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



37.6571, 67.7607, 16.7246



50.2923, 27.1824, 88.9858

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.



116.9225, 67.7607, 107.3728



37.6571, 67.7607, 16.7246



77.5350, 67.7607, 270.9001

Square

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



37.6571, 67.7607, 16.7246



38.7060, 67.7607, 206.6013



101.5199, 67.7607, 198.2591



99.5200, 67.7607, 15.1914

Rectangle

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



37.6571, 67.7607, 16.7246



29.9940, 67.7607, 88.5802



101.5199, 67.7607, 198.2591



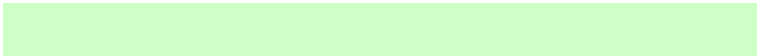
118.3559, 67.7607, 60.7274

Sweetspot

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



37.6587, 67.7635, 16.7261



71.1337, 88.5663, 67.3178



65.5146, 73.4080, 16.3474



14.6992, 18.7049, 13.5079



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.



37.6587, 67.7635, 16.7261



37.8259, 72.5487, 13.6548



39.5860, 68.3640, 34.5781



16.4394, 18.5530, 17.5122



17.8597, 35.3198, 5.8761



1.6211, 3.1308, 0.5189

Inverse Universe

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



50.2923, 27.1824, 88.9858



52.1385, 25.7164, 96.8235



47.7759, 26.8661, 44.5446



17.0369, 16.6772, 20.8636



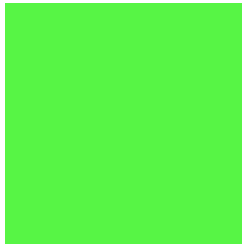
24.8401, 11.7798, 47.5025



2.2304, 1.0597, 4.1772

Previews

White Background



This preview shows how the XYZ color 37.6571, 67.7607, 16.7246 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 37.6571, 67.7607, 16.7246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

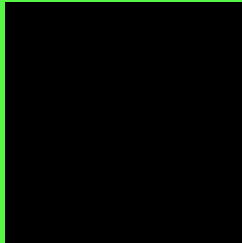
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

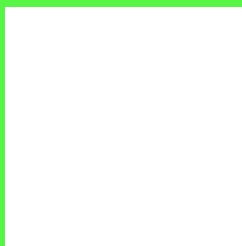
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6571, 67.7607, 16.7246

Background



This preview shows how black text looks on a background with the XYZ color 37.6571, 67.7607, 16.7246.



This preview shows how white text looks on a background with the XYZ color 37.6571, 67.7607,

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

37.6571, 67.7607, 16.7246

Protanopia

60.2332, 66.2761, 14.0328

Deuteranopia

66.7730, 66.4033, 28.6998



Tritanopia

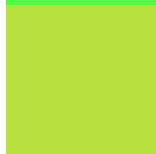
53.8611, 67.4212, 98.1705

Trichromacy



Original Color

37.6571, 67.7607, 16.7246



Protanomaly

47.6178, 64.4109, 14.7733



Deuteranomaly

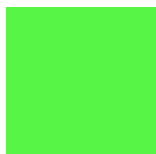
50.3911, 63.6757, 22.9993



Tritanomaly

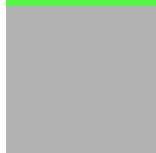
45.0913, 66.3715, 54.6904

Monochromacy



Original Color

37.6571, 67.7607, 16.7246



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.3850, 50.0958, 31.7438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6571, 67.7607, 16.7246 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(87, 245, 69)` looks like.

```
.text, #text, p{  
    color:rgb(87, 245, 69)  
}
```

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(87, 245, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 245, 69) }
```

Border

The CSS property to change the border of an element to XYZ 37.6571, 67.7607, 16.7246 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(87, 245, 69) }
```


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

```
.border{ border-color:rgb(87, 245, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 245, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 245, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 245, 69);  
box-shadow:4px 4px 4px 4px rgb(87, 245,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6571, 67.7607, 16.7246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 245, 69) }
```

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

```
.background{ background-color: rgb(87, 245,  
69) }
```

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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