

Converting Colors

XYZ(37.0441, 63.9592, 14.6685)

Have a look what the booklet for
XYZ(37.0441, 63.9592, 14.6685)
contains.

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Color

**XYZ(37.0437, 63.9588,
14.6678)**

Conversions

Conversions Part 1

Format	Color
Hex	6AED3C
RGB	106, 237, 60
RGB Percent	42%, 93%, 24%
CMY	0.5843, 0.0706, 0.7647
CMYK	0.55, 0.00, 0.75, 0.07
HSL	104°, 83%, 58%
HSV	104°, 75%, 93%
XYZ	37.0437, 63.9588, 14.6678
YIQ	177.6530, -21.2590, -82.8190

Conversions

Conversions Part 2

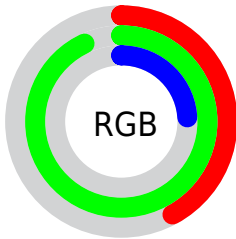
Format	Color
RYB	60, 237, 191
Decimal	7007548
CIELab	83.94, -65.57, 69.79
CIELCh	84, 95.761, 133.213
Yxy	63.9588, 0.3203, 0.5529
Android (android.graphics.Color)	4285197628 (0xFF6AED3C)
YUV	177.6530, -58.0029, -62.8397
Hunter-Lab	79.9742, -57.2746, 45.1078

Details

The XYZ color **37.0437, 63.9588, 14.6678** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **38.3915, 20.4249, 82.0432**, and the grayscale version is **42.4400, 44.6502, 48.6241**.

A 20% lighter version of the original color is **55.2382, 81.1767, 30.2101**, and **16.7733, 32.8755, 5.4616** is the 20% darker color. If you saturate the color by 10%, you get **34.6767, 62.7974, 11.9872**, and if you desaturate by 10%, it is **40.1205, 65.4576, 18.8475**.

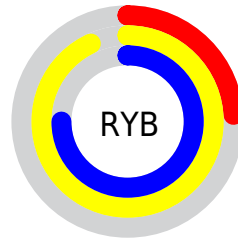
Distribution



Red (42%)

Green (93%)

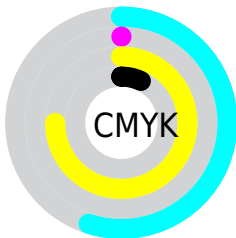
Blue (24%)



Red (24%)

Yellow (93%)

Blue (75%)

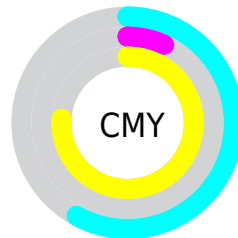


Cyan (55%)

Magenta (0%)

Yellow (75%)

Black (7%)



Cyan (58%)


Magenta (7%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0437, 63.9588, 14.6678 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 37.0437, 63.9588, 14.6678 by changing the saturation by 10% instead.


 37.0437, 63.9588,
14.6678


 37.0437, 63.9588,
14.6678


324.8519,
439.0408, 232.9177


 25.4152, 46.6173,
8.4426


 69.9534, 110.5516,
35.0034

 16.5170, 32.7332,
4.2876


 91.9652, 140.5717,
49.9508


 9.9839, 21.9222,
1.7844


 118.1689,
175.5868, 68.6426

 5.4505, 13.7997,
0.4176

 148.9297,
215.9812, 91.4975

 2.5514, 7.9815,
0.0000

 184.6131,
262.1395, 118.9339

 0.9212, 4.0831,
0.0000

225.5844,

 0.0000, 1.7202,

314.4459, 151.3703

0.0000

272.2088,
373.2849, 189.2254

■ 0.0000, 0.4367,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0437, 63.9588,
14.6678

■ 37.0437, 63.9588,
14.6678

■ 34.6767, 62.7974,
11.9872

■ 40.1205, 65.4576,
18.8475


■ 32.9481, 61.9355,
10.5858


■ 43.9596, 67.3112,
24.6981


■ 32.2463, 61.5818,
10.1869


■ 48.6135, 69.5453,
32.3725


■ 54.1282, 72.1808,
42.0055

 60.5462, 75.2367,
53.7189

 67.9070, 78.7312,
67.6248

 76.2476, 82.6810,
83.8270

 85.6033, 87.1021,
102.4231

 89.5755, 89.0510,
107.0752

Harmonies

Analogous

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



51.9878, 63.9588, 6.7338



37.0437, 63.9588, 14.6678



29.6529, 63.9588, 41.2017

Triad

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



37.0437, 63.9588, 14.6678



49.8179, 63.9588, 250.4208



109.4141, 63.9588, 46.3314

Complementary

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



37.0437, 63.9588, 14.6678



38.3915, 20.4249, 82.0432

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.



108.4485, 63.9588, 108.8432



37.0437, 63.9588, 14.6678



70.5356, 63.9588, 254.8465

Square

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



37.0437, 63.9588, 14.6678



35.7732, 63.9588, 183.2216



92.9877, 63.9588, 193.1563



95.3820, 63.9588, 16.5565

Rectangle

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



37.0437, 63.9588, 14.6678



28.6337, 63.9588, 76.3514



92.9877, 63.9588, 193.1563



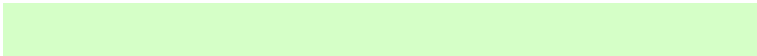
110.9145, 63.9588, 63.3344

Sweetspot

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



37.0452, 63.9615, 14.6692



73.6366, 89.8566, 67.4350



54.1136, 55.0742, 12.0542



15.2796, 19.0041, 13.5350



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.



37.0452, 63.9615, 14.6692



39.6996, 73.5301, 13.0486



34.5134, 62.4775, 22.6310



15.2353, 17.0513, 16.0070



17.7085, 33.6735, 5.5663



1.4781, 2.6893, 0.4412

Inverse Universe

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



38.3915, 20.4249, 82.0432



41.0081, 19.5874, 96.2271



46.4730, 25.2098, 54.4653



15.3106, 15.1054, 19.0309



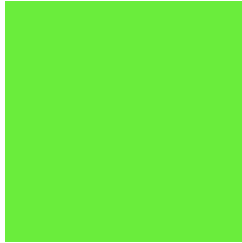
18.1777, 8.4068, 44.4076



1.5163, 0.7060, 3.4912

Previews

White Background



This preview shows how the XYZ color 37.0437, 63.9588, 14.6678 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 37.0437, 63.9588, 14.6678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

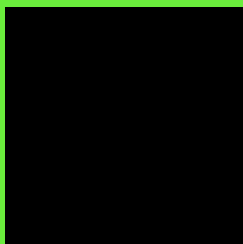
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0437, 63.9588, 14.6678

Background



This preview shows how black text looks on a background with the XYZ color 37.0437, 63.9588, 14.6678.

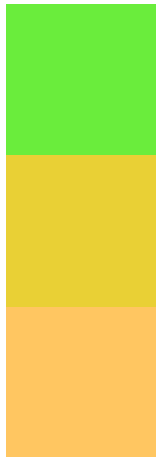


This preview shows how white text looks on a background with the XYZ color 37.0437, 63.9588,

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

37.0437, 63.9588, 14.6678

Protanopia

56.8028, 62.6924, 12.4752

Deuteranopia

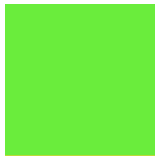
63.5918, 62.5112, 20.0235



Tritanopia

52.2517, 63.5203, 91.1681

Trichromacy



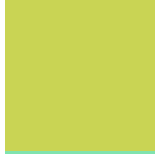
Original Color

37.0437, 63.9588, 14.6678



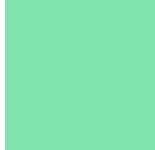
Protanomaly

46.5388, 61.5134, 13.1618



Deuteranomaly

49.2311, 60.1446, 17.4018



Tritanomaly

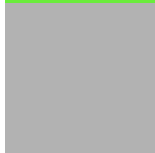
44.0112, 62.5834, 49.8046

Monochromacy



Original Color

37.0437, 63.9588, 14.6678



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.7455, 49.2715, 30.4426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0437, 63.9588, 14.6678 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(106, 237, 60)` looks like.

```
.text, #text, p{  
    color:rgb(106, 237, 60)  
}
```

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(106, 237, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 237, 60) }
```

Border

The CSS property to change the border of an element to XYZ 37.0437, 63.9588, 14.6678 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(106, 237, 60) }
```


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

```
.border{ border-color:rgb(106, 237, 60) }
```

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

Here you see how a box with a 4 pixel rgb(106, 237, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 237, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 237, 60);  
box-shadow:4px 4px 4px 4px rgb(106, 237,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0437, 63.9588, 14.6678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 237, 60) }
```

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

```
.background{ background-color: rgb(106,  
237, 60) }
```

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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