

Converting Colors

XYZ(36.9929, 67.3381, 11.0478)

Have a look what the booklet for
XYZ(36.9929, 67.3381, 11.0478)
contains.

XYZ(37.1666, 67.6320, 11.0954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1666, 67.6320,
11.0954)**

Conversions

Conversions Part 1

Format	Color
Hex	5DF500
RGB	93, 245, 0
RGB Percent	36%, 96%, 0%
CMY	0.6353, 0.0392, 0.9999
CMYK	0.62, 0.00, 1.00, 0.04
HSL	97°, 100%, 48%
HSV	97°, 100%, 96%
XYZ	37.1666, 67.6320, 11.0954
YIQ	171.6220, -11.9470, -108.4190

Conversions

Conversions Part 2

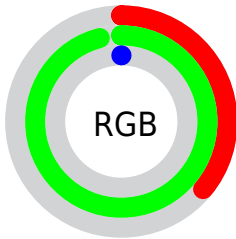
Format	Color
RYB	0, 245, 152
Decimal	6157568
CIELab	85.82, -73.26, 82.14
CIElCh	86, 110.062, 131.729
Yxy	67.6320, 0.3207, 0.5836
Android (android.graphics.Color)	4284347648 (0xFF5DF500)
YUV	171.6220, -84.6096, -68.9515
Hunter-Lab	82.2387, -63.2471, 49.5678

Details

The XYZ color **37.1666, 67.6320, 11.0954** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **29.4392, 13.2730, 87.4003**, and the grayscale version is **39.4435, 41.4977, 45.1910**.

A 20% lighter version of the original color is **52.1455, 79.7489, 22.5423**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **37.1657, 67.6336, 11.0958**, and if you desaturate by 10%, it is **39.0333, 68.5767, 12.0731**.

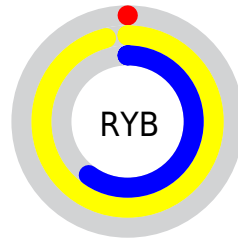
Distribution



Red (36%)

Green (96%)

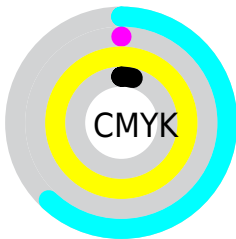
Blue (0%)



Red (0%)

Yellow (96%)

Blue (60%)

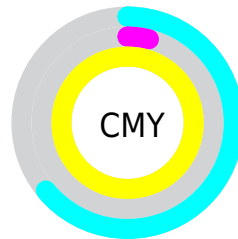


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (64%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1666, 67.6320, 11.0954 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 37.1666, 67.6320, 11.0954 by changing the saturation by 10% instead.


 37.1666, 67.6320,
11.0954


 37.1666, 67.6320,
11.0954


325.3743,
452.1911, 209.0818

 25.5108, 49.5984,
6.0161


 70.1411, 115.8255,
28.4758


 16.5888, 35.0944,
2.7859


 92.1905, 146.7543,
41.6139


 10.0352, 23.7356,
0.9864


 118.4351,
182.7502, 58.2754

 5.4848, 15.1376,
0.0000

 149.2404,
224.1976, 78.8787

 2.5720, 8.9160,
0.0000

 184.9715,
271.4811, 103.8425

 0.9317, 4.6864,
0.0000

 225.9940,

 0.0000, 2.0645,

324.9849, 133.5852

0.0000

272.6731,
385.0934, 168.5255

■ 0.0000, 0.6445,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1666, 67.6320,
11.0954

■ 37.1666, 67.6320,
11.0954

■ 37.1657, 67.6336,
11.0958

■ 39.0333, 68.5767,
12.0731

■ 41.4354, 69.7706,
14.1930

■ 44.4564, 71.2511,
17.8069

■ 48.1506, 73.0417,
23.1253

■ 52.5651, 75.1627,
30.3251

■ 57.7423, 77.6325,
39.5609

■ 63.7205, 80.4680,
50.9715

■ 70.5354, 83.6848,
64.6834

■ 78.2205, 87.2976,
80.8133

Harmonies

Analogous

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



54.9436, 67.6320, 4.2404



37.1666, 67.6320, 11.0954



28.4270, 67.6320, 38.1939

Triad

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



37.1666, 67.6320, 11.0954



50.2816, 67.6320, 298.9945



124.2113, 67.6320, 48.9197

Complementary

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



37.1666, 67.6320, 11.0954



29.4392, 13.2730, 87.4003

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.



122.0088, 67.6320, 126.1541



37.1666, 67.6320, 11.0954



74.6232, 67.6320, 309.5257

Square

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



37.1666, 67.6320, 11.0954



34.5238, 67.6320, 209.6499



102.1439, 67.6320, 232.9074



107.5497, 67.6320, 14.5698

Rectangle

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



37.1666, 67.6320, 11.0954



27.0475, 67.6320, 77.8993



102.1439, 67.6320, 232.9074



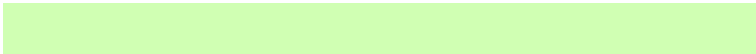
125.7501, 67.6320, 69.5384

Sweetspot

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



37.1682, 67.6349, 11.0969



69.7270, 88.0965, 55.7125



48.7407, 41.5788, 5.4576



14.3095, 18.5650, 10.7323



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.



37.1682, 67.6349, 11.0969



40.6653, 74.0488, 12.1496



32.8713, 65.3947, 12.0276



16.8766, 18.7784, 17.5327



20.1629, 36.5072, 5.9839



1.8826, 3.2656, 0.5311

Inverse Universe

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



29.4392, 13.2730, 87.4003



32.1958, 14.5124, 95.7120



50.1079, 24.3940, 67.3217



16.5689, 16.4359, 20.8417



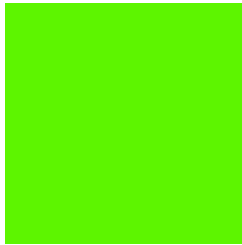
16.0161, 7.2309, 47.0896



1.5217, 0.6943, 4.1441

Previews

White Background



This preview shows how the XYZ color 37.1666, 67.6320, 11.0954 looks on a white background.

Color Contrast Check

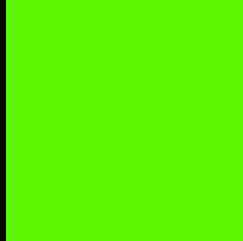
Large Text (above 18pt) WCAG AA × Fail

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 37.1666, 67.6320, 11.0954 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 37.1666, 67.6320, 11.0954

Background



This preview shows how black text looks on a background with the XYZ color 37.1666, 67.6320, 11.0954.



This preview shows how white text looks on a background with the XYZ color 37.1666, 67.6320,

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

37.1666, 67.6320, 11.0954

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

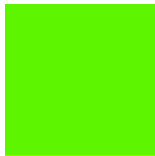
66.4615, 66.2787, 27.0595



Tritanopia

54.2095, 67.2090, 97.3043

Trichromacy



Original Color

37.1666, 67.6320, 11.0954



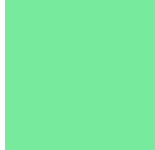
Protanomaly

47.4187, 64.4152, 9.9342



Deuteranomaly

49.6627, 63.4440, 16.4659



Tritanomaly

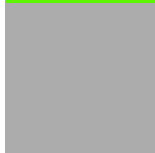
43.1164, 65.2019, 42.2110

Monochromacy



Original Color

37.1666, 67.6320, 11.0954



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.5114, 47.7906, 21.8736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1666, 67.6320, 11.0954 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(93, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 245, 0)  
}
```

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(93, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 245, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.1666, 67.6320, 11.0954 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(93, 245, 0) }
```


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

```
.border{ border-color:rgb(93, 245, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 245, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 245, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.1666, 67.6320, 11.0954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 245, 0) }
```

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

```
.background{ background-color: rgb(93, 245,  
0) }
```

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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