

Converting Colors

XYZ(37.1888, 67.5536, 11.0791)

Have a look what the booklet for
XYZ(37.1888, 67.5536, 11.0791)
contains.

XYZ(37.2685, 67.6845, 11.1002)	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(37.2685, 67.6845,
11.1002)**

Conversions

Conversions Part 1

Format	Color
Hex	5EF500
RGB	94, 245, 0
RGB Percent	37%, 96%, 0%
CMY	0.6314, 0.0392, 0.9999
CMYK	0.62, 0.00, 1.00, 0.04
HSL	97°, 100%, 48%
HSV	97°, 100%, 96%
XYZ	37.2685, 67.6845, 11.1002
YIQ	171.9210, -11.3510, -108.2070

Conversions

Conversions Part 2

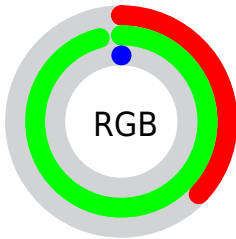
Format	Color
RYB	0, 245, 151
Decimal	6223104
CIELab	85.85, -73.04, 82.17
CIELCh	86, 109.939, 131.633
Yxy	67.6845, 0.3211, 0.5832
Android (android.graphics.Color)	4284413184 (0xFF5EF500)
YUV	171.9210, -84.7571, -68.3367
Hunter-Lab	82.2706, -63.1132, 49.5898

Details

The XYZ color **37.2685, 67.6845, 11.1002** 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 **29.2529, 13.1770, 87.3915**, and the grayscale version is **39.5961, 41.6582, 45.3657**.

A 20% lighter version of the original color is **52.3463, 79.8524, 22.5516**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **37.2675, 67.6861, 11.1005**, and if you desaturate by 10%, it is **39.1436, 68.6335, 12.0783**.

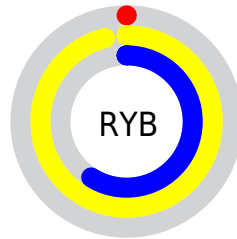
Distribution



Red (37%)

Green (96%)

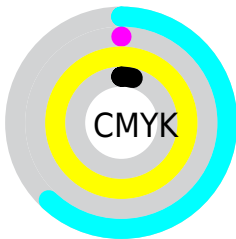
Blue (0%)



Red (0%)

Yellow (96%)

Blue (59%)

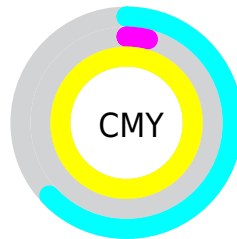


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (63%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2685, 67.6845, 11.1002 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 37.2685, 67.6845, 11.1002 by changing the saturation by 10% instead.


 37.2685, 67.6845,
11.1002


 37.2685, 67.6845,
11.1002


325.8069,
452.3774, 209.1157


 25.5901, 49.6411,
6.0193


 70.2967, 115.9007,
28.4848

 16.6483, 35.1283,
2.7878


 92.3772, 146.8423,
41.6255


 10.0778, 23.7617,
0.9873


 118.6557,
182.8520, 58.2899

 5.5132, 15.1570,
0.0000

 149.4977,
224.3144, 78.8965

 2.5892, 8.9296,
0.0000

 185.2685,
271.6137, 103.8638

 0.9405, 4.6953,
0.0000

 226.3333,

 0.0000, 2.0696,

325.1343, 133.6104

0.0000

273.0577,
385.2608, 168.5549

■ 0.0000, 0.6475,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2685, 67.6845,
11.1002

■ 37.2685, 67.6845,
11.1002

■ 37.2675, 67.6861,
11.1005

■ 39.1436, 68.6335,
12.0783

■ 41.5509, 69.8301,
14.1985

■ 44.5733, 71.3114,
17.8126

■ 48.2650, 73.1006,
23.1309

■ 52.6728, 75.2181,
30.3305

■ 57.8386, 77.6821,
39.5659

■ 63.8006, 80.5093,
50.9759

■ 70.5944, 83.7151,
64.6869

■ 78.2529, 87.3142,
80.8156

Harmonies

Analogous

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



55.0704, 67.6845, 4.2644



37.2685, 67.6845, 11.1002



28.5006, 67.6845, 38.1189

Triad

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



37.2685, 67.6845, 11.1002



50.2725, 67.6845, 298.5802



124.2324, 67.6845, 49.1617

Complementary

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



37.2685, 67.6845, 11.1002



29.2529, 13.1770, 87.3915

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.



121.9675, 67.6845, 126.4846



37.2685, 67.6845, 11.1002



74.5780, 67.6845, 309.4042

Square

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



37.2685, 67.6845, 11.1002



34.5475, 67.6845, 209.2081



102.0800, 67.6845, 233.1172



107.6398, 67.6845, 14.6837

Rectangle

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



37.2685, 67.6845, 11.1002



27.1045, 67.6845, 77.7115



102.0800, 67.6845, 233.1172



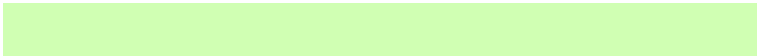
125.7476, 67.6845, 69.8230

Sweetspot

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



37.2701, 67.6874, 11.1017



69.8145, 88.1416, 55.7166



48.0945, 40.2863, 5.2423



14.3300, 18.5756, 10.7332



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.



37.2701, 67.6874, 11.1017



40.7766, 74.1061, 12.1548



32.8248, 65.3761, 11.7824



16.8831, 18.7818, 17.5330



20.2186, 36.5359, 5.9865



1.8880, 3.2683, 0.5313

Inverse Universe

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



29.2529, 13.1770, 87.3915



31.9916, 14.4072, 95.7025



50.6439, 24.6084, 70.1440



16.5621, 16.4324, 20.8414



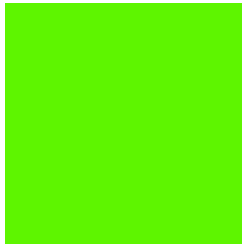
15.9161, 7.1794, 47.0849



1.5133, 0.6900, 4.1437

Previews

White Background



This preview shows how the XYZ color 37.2685, 67.6845, 11.1002 looks on a white background.

Color Contrast Check

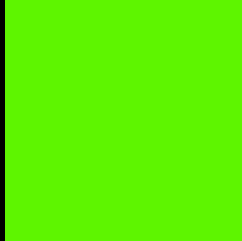
Large Text (above 18pt) WCAG AA × Fail

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 37.2685, 67.6845, 11.1002 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 37.2685, 67.6845, 11.1002

Background



This preview shows how black text looks on a background with the XYZ color 37.2685, 67.6845, 11.1002.



This preview shows how white text looks on a background with the XYZ color 37.2685, 67.6845,

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

37.2685, 67.6845, 11.1002

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

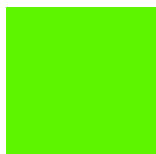
66.5225, 66.3031, 27.3808



Tritanopia

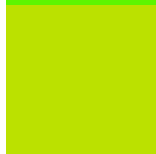
54.3696, 67.2915, 97.3118

Trichromacy



Original Color

37.2685, 67.6845, 11.1002



Protanomaly

47.4187, 64.4152, 9.9342



Deuteranomaly

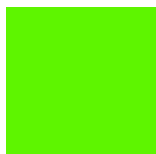
49.6977, 63.4580, 16.6504



Tritanomaly

43.2544, 65.2730, 42.2175

Monochromacy



Original Color

37.2685, 67.6845, 11.1002



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.6853, 47.8803, 21.8817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2685, 67.6845, 11.1002 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(94, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 245, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.2685, 67.6845, 11.1002 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(94, 245, 0) }
```


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

```
.border{ border-color:rgb(94, 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(94, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 245, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.2685, 67.6845, 11.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 245, 0) }
```

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

```
.background{ background-color: rgb(94, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor