

Converting Colors

XYZ(35.6111, 67.8922, 11.2276)

Have a look what the booklet for
XYZ(35.6111, 67.8922, 11.2276)
contains.

XYZ(35.5075, 67.6798, 11.1921)	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(35.5075, 67.6798,
11.1921)**

Conversions

Conversions Part 1

Format	Color
Hex	42F700
RGB	66, 247, 0
RGB Percent	26%, 97%, 0%
CMY	0.7412, 0.0314, 0.9999
CMYK	0.73, 0.00, 1.00, 0.03
HSL	104°, 100%, 48%
HSV	104°, 100%, 97%
XYZ	35.5075, 67.6798, 11.1921
YIQ	164.7230, -28.5890, -115.1890

Conversions

Conversions Part 2

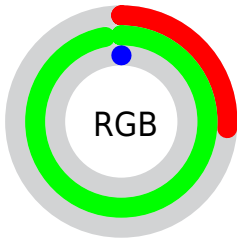
Format	Color
RYB	0, 247, 181
Decimal	4388608
CIELab	85.85, -78.89, 81.91
CIELCh	86, 113.719, 133.923
Yxy	67.6798, 0.3104, 0.5917
Android (android.graphics.Color)	4282578688 (0xFF42F700)
YUV	164.7230, -81.2084, -86.5801
Hunter-Lab	82.2677, -66.9263, 49.5213

Details

The XYZ color **35.5075, 67.6798, 11.1921** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **35.8558, 16.5455, 89.3032**, and the grayscale version is **36.0215, 37.8974, 41.2703**.

A 20% lighter version of the original color is **48.6328, 77.9381, 22.3779**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **35.5070, 67.6816, 11.1924**, and if you desaturate by 10%, it is **37.1001, 68.4829, 12.1681**.

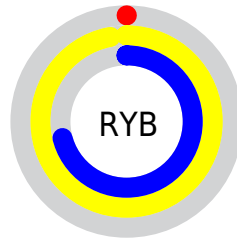
Distribution



Red (26%)

Green (97%)

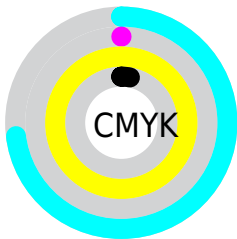
Blue (0%)



Red (0%)

Yellow (97%)

Blue (71%)

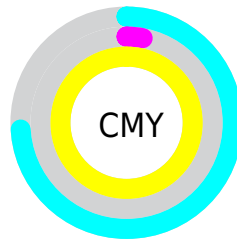


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (74%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5075, 67.6798, 11.1921 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 35.5075, 67.6798, 11.1921 by changing the saturation by 10% instead.


 35.5075, 67.6798,
11.1921


 35.5075, 67.6798,
11.1921


318.2717,
452.3607, 209.7653


 24.2224, 49.6373,
6.0804


 67.6001, 115.8940,
28.6569

 15.6243, 35.1253,
2.8245


 89.1383, 146.8344,
41.8471


 9.3479, 23.7594,
1.0057


 114.8249,
182.8429, 58.5672

 5.0277, 15.1552,
0.0000

 145.0253,
224.3039, 79.2358

 2.2984, 8.9284,
0.0000

 180.1048,
271.6018, 104.2713

 0.7939, 4.6945,
0.0000

 220.4288,

 0.0000, 2.0692,

325.1210, 134.0924

0.0000

266.3627,
385.2458, 169.1175

■ 0.0000, 0.6472,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.5075, 67.6798,
11.1921

■ 35.5075, 67.6798,
11.1921

■ 35.5070, 67.6816,
11.1924

■ 37.1001, 68.4829,
12.1681

■ 39.3287, 69.5866,
14.3132

■ 42.2915, 71.0358,
17.9854

■ 46.0562, 72.8606,
23.4002

■ 50.6815, 75.0874,
30.7387

■ 56.2203, 77.7400,
40.1590

■ 62.7208, 80.8401,
51.8031

■ 70.2278, 84.4081,
65.8003

■ 78.7832, 88.4629,
82.2703

Harmonies

Analogous

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



53.0332, 67.6798, 3.7755



35.5075, 67.6798, 11.1921



27.2562, 67.6798, 40.7283

Triad

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



35.5075, 67.6798, 11.1921



51.4526, 67.6798, 314.6318



126.0735, 67.6798, 44.3321

Complementary

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



35.5075, 67.6798, 11.1921



35.8558, 16.5455, 89.3032

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.



125.3130, 67.6798, 120.8773



35.5075, 67.6798, 11.1921



77.1215, 67.6798, 318.3135

Square

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



35.5075, 67.6798, 11.1921



34.6205, 67.6798, 224.3070



105.6110, 67.6798, 232.3983



107.4718, 67.6798, 12.3112

Rectangle

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



35.5075, 67.6798, 11.1921



26.2323, 67.6798, 83.9265



105.6110, 67.6798, 232.3983



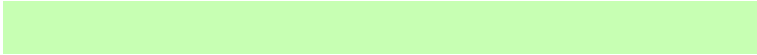
128.2020, 67.6798, 64.3250

Sweetspot

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



35.5091, 67.6826, 11.1936



67.3813, 86.8873, 55.6027



54.0878, 51.2314, 7.0390



13.7636, 18.2836, 10.7067



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.



35.5091, 67.6826, 11.1936



38.1514, 72.7528, 12.0319



33.9179, 66.7867, 14.5380



16.6973, 18.6860, 17.5243



18.8921, 35.8520, 5.9244



1.7540, 3.1993, 0.5251

Inverse Universe

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



35.8558, 16.5455, 89.3032



38.5174, 17.7713, 96.0079



48.0408, 23.6482, 52.7746



16.7566, 16.5327, 20.8505



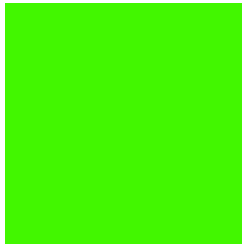
19.1025, 8.8220, 47.2340



1.7760, 0.8254, 4.1560

Previews

White Background



This preview shows how the XYZ color 35.5075, 67.6798, 11.1921 looks on a white background.

Color Contrast Check

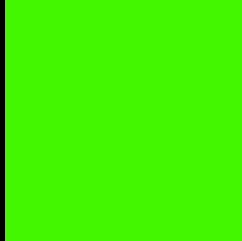
Large Text (above 18pt) WCAG AA × Fail

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 35.5075, 67.6798, 11.1921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

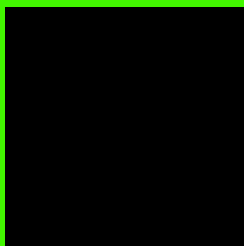
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5075, 67.6798, 11.1921

Background



This preview shows how black text looks on a background with the XYZ color 35.5075, 67.6798, 11.1921.



This preview shows how white text looks on a background with the XYZ color 35.5075, 67.6798,

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

35.5075, 67.6798, 11.1921

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

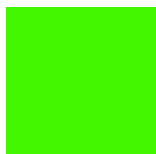
66.2230, 65.8018, 26.9800



Tritanopia

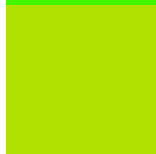
52.9858, 67.3640, 99.0168

Trichromacy



Original Color

35.5075, 67.6798, 11.1921



Protanomaly

45.0567, 63.1975, 9.8236



Deuteranomaly

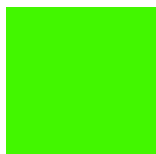
47.1474, 62.1473, 16.3482



Tritanomaly

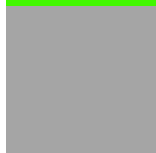
41.4225, 65.1689, 42.7434

Monochromacy



Original Color

35.5075, 67.6798, 11.1921



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.1182, 44.7173, 20.3558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5075, 67.6798, 11.1921 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(66, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 247, 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(66, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.5075, 67.6798, 11.1921 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(66, 247, 0) }
```


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

```
.border{ border-color:rgb(66, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 247, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.5075, 67.6798, 11.1921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 247, 0) }
```

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

```
.background{ background-color: rgb(66, 247,  
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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