

Converting Colors

XYZ(37.2227, 71.0744, 11.7569)

Have a look what the booklet for
XYZ(37.2227, 71.0744, 11.7569)
contains.

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Color

**XYZ(37.0572, 70.7791,
11.7086)**

Conversions

Conversions Part 1

Format	Color
Hex	42FC00
RGB	66, 252, 0
RGB Percent	26%, 99%, 0%
CMY	0.7412, 0.0117, 0.9999
CMYK	0.74, 0.00, 1.00, 0.01
HSL	104°, 100%, 49%
HSV	104°, 100%, 99%
XYZ	37.0572, 70.7791, 11.7086
YIQ	167.6580, -29.9640, -117.8040

Conversions

Conversions Part 2

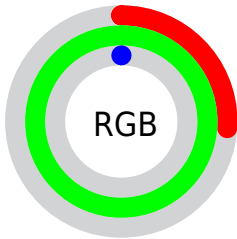
Format	Color
RYB	0, 252, 186
Decimal	4389888
CIELab	87.38, -80.32, 83.13
CIELCh	87, 115.596, 134.016
Yxy	70.7791, 0.3100, 0.5921
Android (android.graphics.Color)	4282579968 (0xFF42FC00)
YUV	167.6580, -82.6554, -89.1541
Hunter-Lab	84.1303, -68.6035, 50.6397

Details

The XYZ color **37.0572, 70.7791, 11.7086** 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 **37.8318, 17.4738, 93.4782**, and the grayscale version is **37.4583, 39.4091, 42.9165**.

A 20% lighter version of the original color is **48.8471, 78.0435, 22.6146**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **37.0568, 70.7810, 11.7090**, and if you desaturate by 10%, it is **38.7003, 71.6077, 12.7152**.

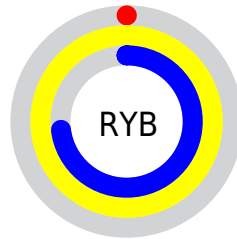
Distribution



Red (26%)

Green (99%)

Blue (0%)



Red (0%)

Yellow (99%)

Blue (73%)

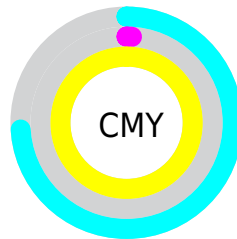


Cyan (74%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (74%)

Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0572, 70.7791, 11.7086 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 37.0572, 70.7791, 11.7086 by changing the saturation by 10% instead.


 37.0572, 70.7791,
11.7086


 37.0572, 70.7791,
11.7086


324.9093,
463.2809, 213.3755

 25.4257, 52.1619,
6.4255


 69.9740, 120.3191,
29.6197

 16.5249, 37.1342,
3.0325


 91.9900, 152.0108,
43.0847


 9.9895, 25.3114,
1.1113


 118.1982,
188.8294, 60.1141

 5.4542, 16.3092,
0.0000

 148.9639,
231.1594, 81.1264

 2.5536, 9.7432,
0.0000

 184.6525,
279.3852, 106.5401

 0.9224, 5.2290,
0.0000

 225.6294,

 0.0000, 2.3823,

333.8911, 136.7739

0.0000

272.2599,
395.0615, 172.2461

■ 0.0000, 0.8167,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0572, 70.7791,
11.7086

■ 37.0572, 70.7791,
11.7086

■ 37.0568, 70.7810,
11.7090

■ 38.7003, 71.6077,
12.7152

■ 41.0143, 72.7536,
14.9486

■ 44.1030, 74.2642,
18.7818

■ 48.0379, 76.1716,
24.4414

■ 52.8816, 78.5037,
32.1177

■ 58.6902, 81.2859,
41.9771

■ 65.5150, 84.5414,
54.1685

■ 73.4033, 88.2918,
68.8279

■ 82.3997, 92.5570,
86.0809

Harmonies

Analogous

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



55.3733, 70.7791, 3.9277



37.0572, 70.7791, 11.7086



28.4503, 70.7791, 42.7111

Triad

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



37.0572, 70.7791, 11.7086



53.8614, 70.7791, 329.7629



131.9291, 70.7791, 46.1569

Complementary

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



37.0572, 70.7791, 11.7086



37.8318, 17.4738, 93.4782

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.



131.2011, 70.7791, 126.1700



37.0572, 70.7791, 11.7086



80.7669, 70.7791, 333.2893

Square

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



37.0572, 70.7791, 11.7086



36.2091, 70.7791, 235.2621



110.6053, 70.7791, 243.0106



112.3864, 70.7791, 12.7766

Rectangle

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



37.0572, 70.7791, 11.7086



27.3955, 70.7791, 88.0514



110.6053, 70.7791, 243.0106



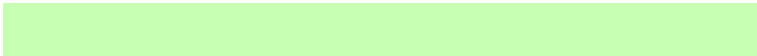
134.1825, 70.7791, 67.0353

Sweetspot

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



37.0588, 70.7821, 11.7102



67.2740, 86.8320, 55.5977



57.4567, 55.3163, 7.6499



13.7387, 18.2708, 10.7056



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.



37.0588, 70.7821, 11.7102



38.0581, 72.7047, 12.0275



35.5973, 69.9380, 15.7378



17.4434, 19.5288, 18.3125



19.4191, 36.9292, 6.1046



1.8935, 3.4692, 0.5698

Inverse Universe

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



37.8318, 17.4738, 93.4782



38.8491, 17.9423, 96.0234



49.7963, 24.5569, 52.6917



17.5236, 17.2826, 21.7976



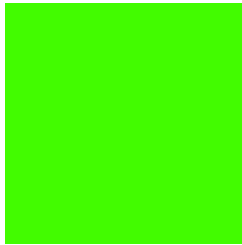
19.8504, 9.1760, 48.6985



1.9378, 0.9010, 4.5150

Previews

White Background



This preview shows how the XYZ color 37.0572, 70.7791, 11.7086 looks on a white background.

Color Contrast Check

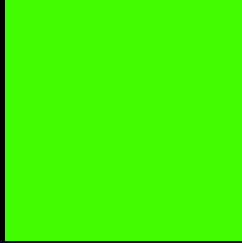
Large Text (above 18pt) WCAG AA × Fail

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 37.0572, 70.7791, 11.7086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

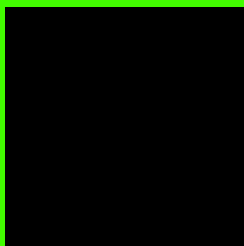
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0572, 70.7791, 11.7086

Background



This preview shows how black text looks on a background with the XYZ color 37.0572, 70.7791, 11.7086.



This preview shows how white text looks on a background with the XYZ color 37.0572, 70.7791,

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

37.0572, 70.7791, 11.7086

Protanopia

62.4690, 69.0382, 10.0332

Deuteranopia

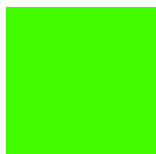
68.9468, 69.2173, 34.1525



Tritanopia

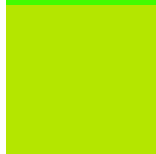
55.0376, 70.0024, 103.5395

Trichromacy



Original Color

37.0572, 70.7791, 11.7086



Protanomaly

47.1192, 66.2969, 10.3131



Deuteranomaly

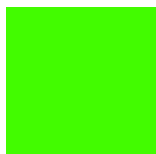
48.9364, 64.9941, 19.1984



Tritanomaly

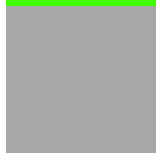
43.2551, 68.2505, 44.6121

Monochromacy



Original Color

37.0572, 70.7791, 11.7086



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.4373, 46.7337, 21.2208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0572, 70.7791, 11.7086 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, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 252, 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, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.0572, 70.7791, 11.7086 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, 252, 0) }
```


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

```
.border{ border-color:rgb(66, 252, 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, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 252, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.0572, 70.7791, 11.7086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 252, 0) }
```

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

```
.background{ background-color: rgb(66, 252,  
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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