

Converting Colors

XYZ(36.4778, 70.6904, 11.7220)

Have a look what the booklet for
XYZ(36.4778, 70.6904, 11.7220)
contains.

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Color

**XYZ(36.3317, 70.4051,
11.6747)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 36FC00 |
| RGB | 54, 252, 0 |
| RGB Percent | 21%, 99%, 0% |
| CMY | 0.7882, 0.0117, 0.9998 |
| CMYK | 0.79, 0.00, 1.00, 0.01 |
| HSL | 107°, 100%, 49% |
| HSV | 107°, 100%, 99% |
| XYZ | 36.3317, 70.4051, 11.6747 |
| YIQ | 164.0700, -37.1160, -120.3480 |

Conversions

Conversions Part 2

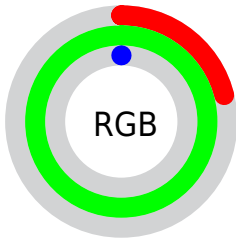
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 252, 198 |
| Decimal | 3603456 |
| CIELab | 87.20, -81.94, 82.91 |
| CIELCh | 87, 116.564, 134.662 |
| Yxy | 70.4051, 0.3068, 0.5946 |
| Android (android.graphics.Color) | 4281793536 (0xFF36FC00) |
| YUV | 164.0700, -80.8865, -96.5314 |
| Hunter-Lab | 83.9077, -69.5488, 50.4860 |

Details

The XYZ color **36.3317, 70.4051, 11.6747** 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 **40.8725, 19.0413, 93.6204**, and the grayscale version is **35.7094, 37.5691, 40.9127**.

A 20% lighter version of the original color is **47.6834, 77.4436, 22.5601**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **36.3315, 70.4071, 11.6751**, and if you desaturate by 10%, it is **37.7988, 71.1430, 12.6731**.

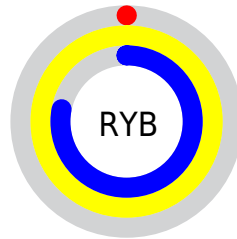
Distribution



Red (21%)

Green (99%)

Blue (0%)



Red (0%)

Yellow (99%)

Blue (78%)

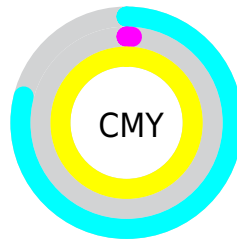


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (79%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3317, 70.4051, 11.6747 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 36.3317, 70.4051, 11.6747 by changing the saturation by 10% instead.


 36.3317, 70.4051,
11.6747


 36.3317, 70.4051,
11.6747


321.8140,
461.9711, 213.1406


 24.8618, 51.8569,
6.4027


 68.8643, 119.7863,
29.5567

 16.1023, 36.8910,
3.0188


 90.6576, 151.3880,
43.0039


 9.6879, 25.1231,
1.1042


 116.6228,
188.1097, 60.0131

 5.2532, 16.1688,
0.0000

 147.1252,
230.3357, 81.0031

 2.4328, 9.6437,
0.0000

 182.5302,
278.4504, 106.3923

 0.8615, 5.1633,
0.0000

 223.2031,

 0.0000, 2.3434,

332.8383, 136.5992

0.0000

269.5092,
393.8838, 172.0425

■ 0.0000, 0.7965,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3317, 70.4051,
11.6747

■ 36.3317, 70.4051,
11.6747

■ 36.3315, 70.4071,
11.6751

■ 37.7988, 71.1430,
12.6731

■ 39.9729, 72.2167,
14.9001

■ 42.9668, 73.6785,
18.7290

■ 46.8597, 75.5641,
24.3867

■ 51.7205, 77.9051,
32.0640

■ 57.6114, 80.7298,
41.9273

■ 64.5889, 84.0640,
54.1260

■ 72.7053, 87.9319,
68.7963

■ 82.0094, 92.3558,
86.0639

Harmonies

Analogous

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



54.4655, 70.4051, 3.7645



36.3317, 70.4051, 11.6747



27.9248, 70.4051, 43.3134

Triad

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



36.3317, 70.4051, 11.6747



53.9447, 70.4051, 333.0948



131.8068, 70.4051, 44.4971

Complementary

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



36.3317, 70.4051, 11.6747



40.8725, 19.0413, 93.6204

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.



131.5546, 70.4051, 123.8174



36.3317, 70.4051, 11.6747



81.1369, 70.4051, 334.3210

Square

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



36.3317, 70.4051, 11.6747



36.0405, 70.4051, 238.8251



111.1279, 70.4051, 241.5155



111.7443, 70.4051, 12.0367

Rectangle

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



36.3317, 70.4051, 11.6747



26.9864, 70.4051, 89.5690



111.1279, 70.4051, 241.5155



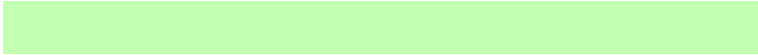
134.2401, 70.4051, 65.0536

Sweetspot

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



36.3333, 70.4080, 11.6763



66.3216, 86.3410, 55.5531



60.2067, 60.8163, 8.5666



13.5188, 18.1574, 10.6953



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.



36.3333, 70.4080, 11.6763



37.3142, 72.3212, 11.9927



35.9635, 70.0844, 17.6659



17.3648, 19.4883, 18.3088



19.0243, 36.7256, 6.0861



1.8470, 3.4453, 0.5677

Inverse Universe

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



40.8725, 19.0413, 93.6204



41.9739, 19.5532, 96.1696



48.4480, 24.0176, 45.5913



17.6079, 17.3260, 21.8015



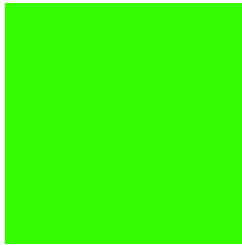
21.4179, 9.9840, 48.7718



2.0711, 0.9697, 4.5212

Previews

White Background



This preview shows how the XYZ color 36.3317, 70.4051, 11.6747 looks on a white background.

Color Contrast Check

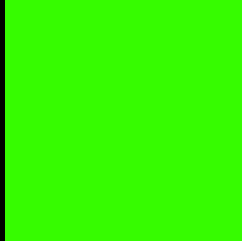
Large Text (above 18pt) WCAG AA × Fail

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 36.3317, 70.4051, 11.6747 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 36.3317, 70.4051, 11.6747

Background



This preview shows how black text looks on a background with the XYZ color 36.3317, 70.4051, 11.6747.



This preview shows how white text looks on a background with the XYZ color 36.3317, 70.4051,

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

36.3317, 70.4051, 11.6747

Protanopia

62.1211, 68.8588, 10.0169

Deuteranopia

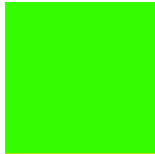
68.5558, 68.6671, 33.3077



Tritanopia

54.3549, 69.6505, 103.5076

Trichromacy



Original Color

36.3317, 70.4051, 11.6747



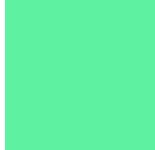
Protanomaly

45.9760, 65.7076, 10.2596



Deuteranomaly

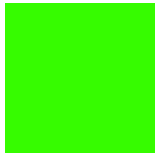
47.9369, 64.4836, 18.9369



Tritanomaly

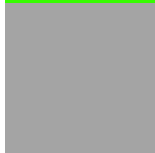
42.4025, 67.8110, 44.5722

Monochromacy



Original Color

36.3317, 70.4051, 11.6747



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

30.5508, 44.7644, 20.1269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3317, 70.4051, 11.6747 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(54, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(54, 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(54, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.3317, 70.4051, 11.6747 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(54, 252, 0) }
```


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

```
.border{ border-color:rgb(54, 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(54, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(54, 252, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3317, 70.4051, 11.6747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 252, 0) }
```

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

```
.background{ background-color: rgb(54, 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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