

Converting Colors

XYZ(39.2998, 68.6419, 11.1779)

Have a look what the booklet for
XYZ(39.2998, 68.6419, 11.1779)
contains.

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Color

**XYZ(39.3345, 68.7496,
11.1969)**

Conversions

Conversions Part 1

Format	Color
Hex	70F500
RGB	112, 245, 0
RGB Percent	44%, 96%, 0%
CMY	0.5608, 0.0392, 0.9999
CMYK	0.54, 0.00, 1.00, 0.04
HSL	93°, 100%, 48%
HSV	93°, 100%, 96%
XYZ	39.3345, 68.7496, 11.1969
YIQ	177.3030, -0.6230, -104.3910

Conversions

Conversions Part 2

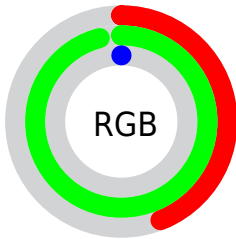
Format	Color
RYB	0, 245, 133
Decimal	7402752
CIELab	86.38, -68.69, 82.82
CIELCh	86, 107.595, 129.672
Yxy	68.7496, 0.3298, 0.5764
Android (android.graphics.Color)	4285592832 (0xFF70F500)
YUV	177.3030, -87.4104, -57.2707
Hunter-Lab	82.9154, -60.4227, 50.0342

Details

The XYZ color **39.3345, 68.7496, 11.1969** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **26.1622, 11.5837, 87.2471**, and the grayscale version is **42.3993, 44.6074, 48.5775**.

A 20% lighter version of the original color is **55.5528, 81.5054, 22.7017**, and **18.5789, 36.2735, 6.0223** is the 20% darker color. If you saturate the color by 10%, you get **39.3333, 68.7511, 11.1972**, and if you desaturate by 10%, it is **41.3260, 69.7587, 12.1805**.

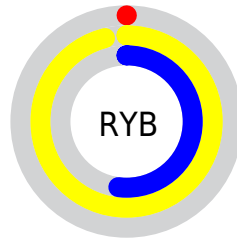
Distribution



Red (44%)

Green (96%)

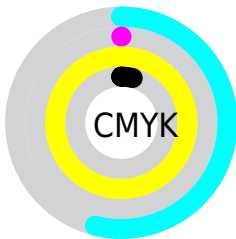
Blue (0%)



Red (0%)

Yellow (96%)

Blue (52%)

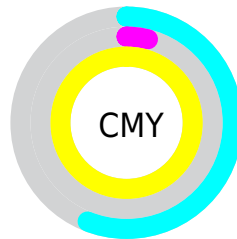


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (56%)

Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3345, 68.7496, 11.1969 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 39.3345, 68.7496, 11.1969 by changing the saturation by 10% instead.


 39.3345, 68.7496,
11.1969


 39.3345, 68.7496,
11.1969


334.4933,
456.1473, 209.7992


 27.2019, 50.5078,
6.0836


 73.4398, 117.4239,
28.6659

 17.8623, 35.8171,
2.8264


 96.1433, 148.6251,
41.8587


 10.9503, 24.2929,
1.0067


 123.1012,
184.9150, 58.5817

 6.1005, 15.5511,
0.0000

 154.6788,
226.6779, 79.2535

 2.9475, 9.2070,
0.0000

 191.2414,
274.2981, 104.2926

 1.1261, 4.8765,
0.0000

 233.1545,

 0.0468, 2.1750,

328.1602, 134.1175

0.0000

280.7833,
388.6485, 169.1469

■ 0.0000, 0.7063,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.3345, 68.7496,
11.1969

■ 39.3345, 68.7496,
11.1969

■ 39.3333, 68.7511,
11.1972

■ 41.3260, 69.7587,
12.1805

■ 43.7906, 70.9848,
14.3034

■ 46.8059, 72.4624,
17.9171

■ 50.4210, 74.2122,
23.2319

■ 54.6781, 76.2520,
30.4245

■ 59.6149, 78.5979,
39.6493

■ 65.2655, 81.2645,
51.0447

■ 71.6616, 84.2654,
64.7371

■ 78.8328, 87.6132,
80.8431

Harmonies

Analogous

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



57.6385, 68.7496, 4.7594



39.3345, 68.7496, 11.1969



29.9912, 68.7496, 36.6628

Triad

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



39.3345, 68.7496, 11.1969



50.1072, 68.7496, 290.5628



124.6931, 68.7496, 54.1331

Complementary

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



39.3345, 68.7496, 11.1969



26.1622, 11.5837, 87.2471

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.



121.1921, 68.7496, 133.1887



39.3345, 68.7496, 11.1969



73.7083, 68.7496, 307.1173

Square

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



39.3345, 68.7496, 11.1969



35.0275, 68.7496, 200.6587



100.8531, 68.7496, 237.3810



109.4696, 68.7496, 17.0639

Rectangle

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



39.3345, 68.7496, 11.1969



28.2551, 68.7496, 74.0764



100.8531, 68.7496, 237.3810



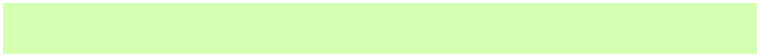
125.7401, 68.7496, 75.6423

Sweetspot

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



39.3361, 68.7525, 11.1984



71.4216, 88.9701, 55.7918



45.7324, 35.5620, 4.4549



14.7072, 18.7700, 10.7509



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.



39.3361, 68.7525, 11.1984



43.0354, 75.2706, 12.2605



32.6993, 65.3260, 11.1213



17.0018, 18.8430, 17.5385



21.3441, 37.1161, 6.0392



1.9929, 3.3224, 0.5363

Inverse Universe

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



26.1622, 11.5837, 87.2471



28.6063, 12.6620, 95.5440



52.9209, 25.5192, 82.1342



16.4409, 16.3700, 20.8358



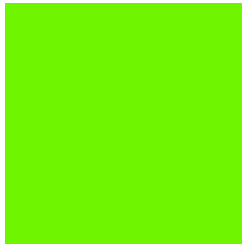
14.2536, 6.3223, 47.0071



1.3712, 0.6167, 4.1370

Previews

White Background



This preview shows how the XYZ color 39.3345, 68.7496, 11.1969 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 39.3345, 68.7496, 11.1969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

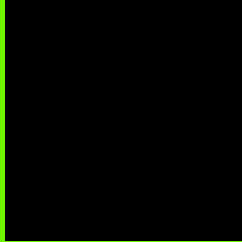
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3345, 68.7496, 11.1969

Background



This preview shows how black text looks on a background with the XYZ color 39.3345, 68.7496, 11.1969.



This preview shows how white text looks on a background with the XYZ color 39.3345, 68.7496,

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

39.3345, 68.7496, 11.1969

Protanopia

60.9184, 67.4781, 9.8138

Deuteranopia

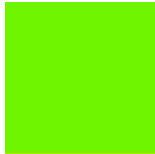
67.5153, 67.4706, 30.2336



Tritanopia

56.4106, 68.3437, 97.4073

Trichromacy



Original Color

39.3345, 68.7496, 11.1969



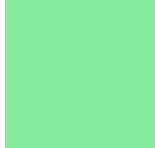
Protanomaly

49.7020, 65.9948, 10.1187



Deuteranomaly

52.0080, 65.0186, 17.7914



Tritanomaly

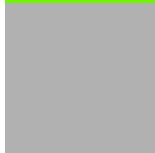
45.3401, 66.3483, 42.3151

Monochromacy



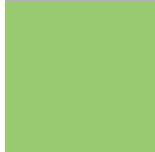
Original Color

39.3345, 68.7496, 11.1969



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.2380, 50.2056, 23.3508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3345, 68.7496, 11.1969 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(112, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 245, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.3345, 68.7496, 11.1969 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(112, 245, 0) }
```


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

```
.border{ border-color:rgb(112, 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(112, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 245,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3345, 68.7496, 11.1969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 245, 0) }
```

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

```
.background{ background-color: rgb(112,  
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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