

Converting Colors

XYZ(39.1945, 72.3381, 11.8969)

Have a look what the booklet for
XYZ(39.1945, 72.3381, 11.8969)
contains.

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Color

**XYZ(39.2451, 72.3744,
11.9012)**

Conversions

Conversions Part 1

Format	Color
Hex	59FD00
RGB	89, 253, 0
RGB Percent	35%, 99%, 0%
CMY	0.6510, 0.0078, 0.9999
CMYK	0.65, 0.00, 1.00, 0.01
HSL	99°, 100%, 50%
HSV	99°, 100%, 99%
XYZ	39.2451, 72.3744, 11.9012
YIQ	175.1220, -16.5310, -113.4510

Conversions

Conversions Part 2

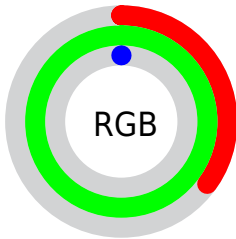
Format	Color
RYB	0, 253, 164
Decimal	5897472
CIELab	88.15, -76.59, 83.94
CIELCh	88, 113.634, 132.380
Yxy	72.3744, 0.3177, 0.5859
Android (android.graphics.Color)	4284087552 (0xFF59FD00)
YUV	175.1220, -86.3351, -75.5290
Hunter-Lab	85.0731, -66.5342, 51.2569

Details

The XYZ color **39.2451, 72.3744, 11.9012** 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 **33.0494, 14.9900, 94.0839**, and the grayscale version is **41.2542, 43.4027, 47.2655**.

A 20% lighter version of the original color is **51.7923, 79.5618, 22.7524**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **39.2442, 72.3762, 11.9016**, and if you desaturate by 10%, it is **41.1790, 73.3529, 12.9271**.

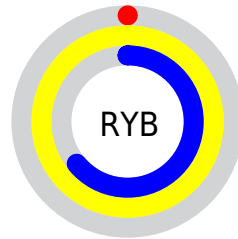
Distribution



Red (35%)

Green (99%)

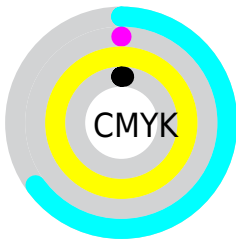
Blue (0%)



Red (0%)

Yellow (99%)

Blue (64%)

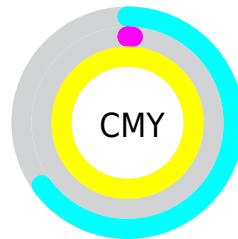


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (65%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2451, 72.3744, 11.9012 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 39.2451, 72.3744, 11.9012 by changing the saturation by 10% instead.


 39.2451, 72.3744,
11.9012


 39.2451, 72.3744,
11.9012


334.1207,
468.8437, 214.7048


 27.1320, 53.4646,
6.5547


 73.3043, 122.5887,
29.9767

 17.8095, 38.1738,
3.1110


 95.9811, 154.6619,
43.5429


 10.9122, 26.1176,
1.1516


 122.9099,
191.8918, 60.6860

 6.0747, 16.9116,
0.0000

 154.4560,
234.6626, 81.8245

 2.9316, 10.1715,
0.0000

 190.9848,
283.3588, 107.3772

 1.1177, 5.5128,
0.0000

 232.8616,

 0.0399, 2.5512,

338.3648, 137.7624

0.0000

280.4517,
400.0650, 173.3987

■ 0.0000, 0.9022,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2451, 72.3744,
11.9012

■ 39.2451, 72.3744,
11.9012

■ 39.2442, 72.3762,
11.9016

■ 41.1790, 73.3529,
12.9271

■ 43.7149, 74.6128,
15.1880

■ 46.9449, 76.1956,
19.0593

■ 50.9306, 78.1280,
24.7694

■ 55.7253, 80.4334,
32.5100

■ 61.3770, 83.1328,
42.4486

■ 67.9293, 86.2455,
54.7355

■ 75.4226, 89.7893,
69.5074

■ 83.8949, 93.7809,
86.8909

Harmonies

Analogous

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



58.1873, 72.3744, 4.3889



39.2451, 72.3744, 11.9012



30.0479, 72.3744, 41.6375

Triad

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



39.2451, 72.3744, 11.9012



54.1574, 72.3744, 324.6789



133.4682, 72.3744, 50.8845

Complementary

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



39.2451, 72.3744, 11.9012



33.0494, 14.9900, 94.0839

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.



131.5542, 72.3744, 133.3200



39.2451, 72.3744, 11.9012



80.6076, 72.3744, 333.8637

Square

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



39.2451, 72.3744, 11.9012



36.9673, 72.3744, 228.7726



110.3495, 72.3744, 249.0278



115.0429, 72.3744, 14.8606

Rectangle

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



39.2451, 72.3744, 11.9012



28.6840, 72.3744, 85.1795



110.3495, 72.3744, 249.0278



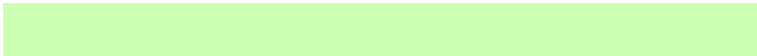
135.2958, 72.3744, 72.7537

Sweetspot

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



39.2468, 72.3775, 11.9028



69.1344, 87.7910, 55.6848



53.1242, 46.1120, 6.1016



14.1711, 18.4937, 10.7258



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.



39.2468, 72.3775, 11.9028



39.9451, 73.6775, 12.1159



35.4126, 70.3679, 13.2117



18.3741, 20.4788, 19.1287



21.0178, 38.5732, 6.3376



2.1595, 3.8140, 0.6224

Inverse Universe

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



33.0494, 14.9900, 94.0839



33.6343, 15.2540, 95.7793



53.3327, 26.0134, 69.4185



18.1364, 17.9620, 22.7611



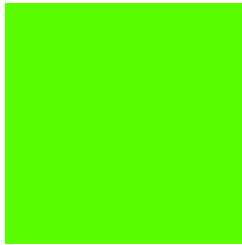
17.7426, 8.0571, 50.0546



1.8460, 0.8456, 4.8792

Previews

White Background



This preview shows how the XYZ color 39.2451, 72.3744, 11.9012 looks on a white background.

Color Contrast Check

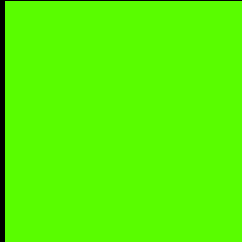
Large Text (above 18pt) WCAG AA × Fail

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 39.2451, 72.3744, 11.9012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

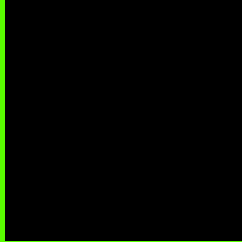
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2451, 72.3744, 11.9012

Background



This preview shows how black text looks on a background with the XYZ color 39.2451, 72.3744, 11.9012.



This preview shows how white text looks on a background with the XYZ color 39.2451, 72.3744,

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

39.2451, 72.3744, 11.9012

Protanopia

63.9510, 70.9606, 10.3262

Deuteranopia

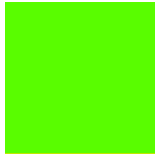
70.1288, 70.4851, 37.9258



Tritanopia

57.4292, 71.6408, 104.5671

Trichromacy



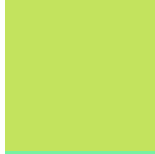
Original Color

39.2451, 72.3744, 11.9012



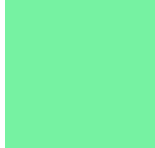
Protanomaly

50.0918, 68.6604, 10.6127



Deuteranomaly

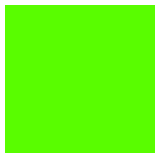
51.9951, 67.3484, 20.8488



Tritanomaly

45.7449, 69.9644, 45.2759

Monochromacy



Original Color

39.2451, 72.3744, 11.9012



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.7268, 49.7889, 22.7661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2451, 72.3744, 11.9012 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(89, 253, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 253, 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(89, 253, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 253, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.2451, 72.3744, 11.9012 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(89, 253, 0) }
```


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

```
.border{ border-color:rgb(89, 253, 0) }
```

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

Here you see how a box with a 4 pixel rgb(89, 253, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 253, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 253, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 253, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.2451, 72.3744, 11.9012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 253, 0) }
```

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

```
.background{ background-color: rgb(89, 253,  
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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