

Converting Colors

XYZ(39.8799, 70.8397, 11.8882)

Have a look what the booklet for
XYZ(39.8799, 70.8397, 11.8882)
contains.

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Color

**XYZ(39.8799, 70.8397,
11.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	6AF90B
RGB	106, 249, 11
RGB Percent	42%, 98%, 4%
CMY	0.5843, 0.0235, 0.9567
CMYK	0.57, 0.00, 0.96, 0.02
HSL	96°, 95%, 51%
HSV	96°, 96%, 98%
XYZ	39.8799, 70.8397, 11.8882
YIQ	179.1110, -8.8300, -104.3340

Conversions

Conversions Part 2

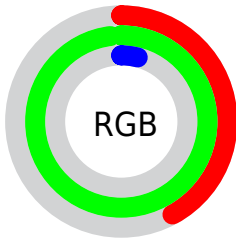
Format	Color
RYB	11, 249, 154
Decimal	7010571
CIELab	87.41, -71.40, 82.70
CIELCh	87, 109.256, 130.807
Yxy	70.8397, 0.3253, 0.5778
Android (android.graphics.Color)	4285200651 (0xFF6AF90B)
YUV	179.1110, -82.8787, -64.1183
Hunter-Lab	84.1663, -62.7137, 50.5419

Details

The XYZ color **39.8799, 70.8397, 11.8882** 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 **30.5543, 13.9543, 90.7095**, and the grayscale version is **43.3425, 45.5997, 49.6581**.

A 20% lighter version of the original color is **54.5750, 80.9861, 23.3452**, and **18.7309, 37.3132, 6.2150** is the 20% darker color. If you saturate the color by 10%, you get **39.0629, 70.4277, 11.5351**, and if you desaturate by 10%, it is **42.0746, 71.9436, 13.3330**.

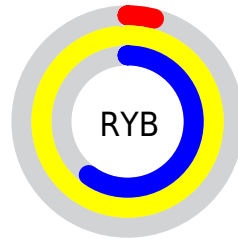
Distribution



Red (42%)

Green (98%)

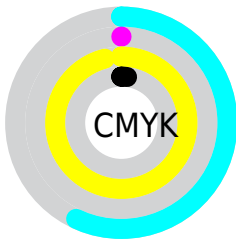
Blue (4%)



Red (4%)

Yellow (98%)

Blue (60%)

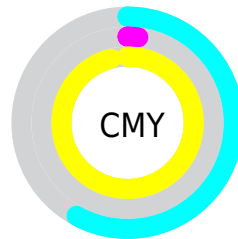


Cyan (57%)

Magenta (0%)

Yellow (96%)

Black (2%)



Cyan (58%)


Magenta (2%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8799, 70.8397, 11.8882 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 39.8799, 70.8397, 11.8882 by changing the saturation by 10% instead.


 39.8799, 70.8397,
11.8882


 39.8799, 70.8397,
11.8882


336.7602,
463.4929, 214.6153


 27.6287, 52.2114,
6.5460


 74.2661, 120.4054,
29.9527

 18.1850, 37.1736,
3.1057


 97.1318, 152.1117,
43.5120


 11.1834, 25.3419,
1.1489


 124.2664,
188.9460, 60.6474

 6.2585, 16.3320,
0.0000


 156.0353,
231.2928, 81.7775

 3.0450, 9.7594,
0.0000

 192.8037,
279.5365, 107.3208

 1.1776, 5.2397,
0.0000

 234.9371,

 0.0886, 2.3886,

334.0615, 137.6959

0.0000

282.8008,
395.2522, 173.3212

■ 0.0000, 0.8200,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8799, 70.8397,
11.8882

■ 39.8799, 70.8397,
11.8882

■ 39.0629, 70.4277,
11.5351

■ 42.0746, 71.9436,
13.3330

■ 44.8566, 73.3176,
16.1795

■ 48.2886, 74.9909,
20.6785

■ 52.4219, 76.9854,
27.0316

■ 57.3019, 79.3206,
35.4116

■ 62.9692, 82.0144,
45.9713

■ 69.4613, 85.0829,
58.8492

■ 76.8131, 88.5414,
74.1719

■ 85.0573, 92.4041,
92.0571

Harmonies

Analogous

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



58.4671, 70.8397, 4.8650



39.8799, 70.8397, 11.8882



30.5596, 70.8397, 39.2763

Triad

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



39.8799, 70.8397, 11.8882



52.3302, 70.8397, 303.5117



128.6160, 70.8397, 53.4816

Complementary

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



39.8799, 70.8397, 11.8882



30.5543, 13.9543, 90.7095

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.



125.7528, 70.8397, 133.7711



39.8799, 70.8397, 11.8882



77.0484, 70.8397, 317.0846

Square

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



39.8799, 70.8397, 11.8882



36.3772, 70.8397, 211.8698



105.1491, 70.8397, 241.9463



112.1915, 70.8397, 16.6205

Rectangle

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



39.8799, 70.8397, 11.8882



28.9658, 70.8397, 79.1479



105.1491, 70.8397, 241.9463



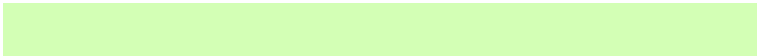
129.9652, 70.8397, 75.1514

Sweetspot

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



39.8815, 70.8427, 11.8898



70.8437, 88.6422, 57.1188



50.6548, 43.2159, 5.9894



14.5420, 18.6793, 10.9973



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.



39.8815, 70.8427, 11.8898



41.2122, 74.3307, 12.1752



34.3166, 67.9461, 12.8834



17.6729, 19.6471, 18.3232



21.0584, 37.7743, 6.1813



2.0662, 3.5583, 0.5779

Inverse Universe

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



30.5543, 13.9543, 90.7095



31.2324, 14.0158, 95.6669



52.8078, 25.8284, 73.5852



17.2837, 17.1589, 21.7863



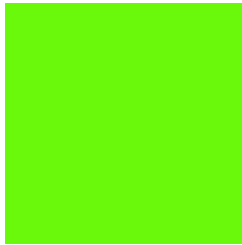
16.0142, 7.1983, 48.5189



1.6027, 0.7283, 4.4993

Previews

White Background



This preview shows how the XYZ color 39.8799, 70.8397, 11.8882 looks on a white background.

Color Contrast Check

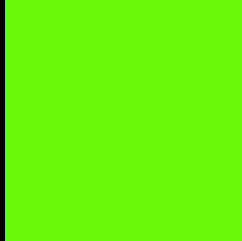
Large Text (above 18pt) WCAG AA × Fail

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 39.8799, 70.8397, 11.8882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

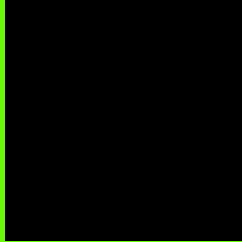
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8799, 70.8397, 11.8882

Background



This preview shows how black text looks on a background with the XYZ color 39.8799, 70.8397, 11.8882.



This preview shows how white text looks on a background with the XYZ color 39.8799, 70.8397,

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

39.8799, 70.8397, 11.8882

Protanopia

62.7276, 69.5553, 10.1194

Deuteranopia

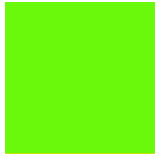
69.0943, 69.2763, 34.9293



Tritanopia

57.3328, 69.9832, 100.9288

Trichromacy



Original Color

39.8799, 70.8397, 11.8882



Protanomaly

50.2894, 67.5167, 10.4964



Deuteranomaly

52.7634, 66.5370, 20.6517



Tritanomaly

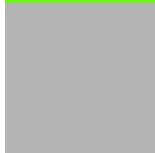
46.3913, 68.5392, 45.4347

Monochromacy



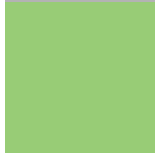
Original Color

39.8799, 70.8397, 11.8882



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

37.8118, 51.1691, 25.0233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8799, 70.8397, 11.8882 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(106, 249, 11)` looks like.

```
.text, #text, p{  
    color:rgb(106, 249, 11)  
}
```

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(106, 249, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 249, 11) }
```

Border

The CSS property to change the border of an element to XYZ 39.8799, 70.8397, 11.8882 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(106, 249, 11) }
```


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

```
.border{ border-color:rgb(106, 249, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 249, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 249, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 249, 11);  
box-shadow:4px 4px 4px 4px rgb(106, 249,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8799, 70.8397, 11.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 249, 11) }
```

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

```
.background{ background-color: rgb(106,  
249, 11) }
```

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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