

Converting Colors

XYZ(39.2165, 71.4273, 11.7199)

Have a look what the booklet for
XYZ(39.2165, 71.4273, 11.7199)
contains.

XYZ(39.2165, 71.4273, 11.7199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.2165, 71.4273,
11.7199)**

Conversions

Conversions Part 1

Format	Color
Hex	5FFB00
RGB	95, 251, 0
RGB Percent	37%, 98%, 0%
CMY	0.6275, 0.0157, 0.9999
CMYK	0.62, 0.00, 1.00, 0.02
HSL	97°, 100%, 49%
HSV	97°, 100%, 98%
XYZ	39.2165, 71.4273, 11.7199
YIQ	175.7420, -12.4050, -111.1330

Conversions

Conversions Part 2

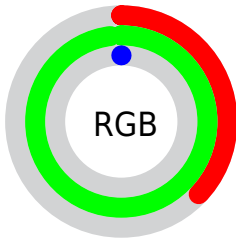
Format	Color
RYB	0, 251, 156
Decimal	6290176
CIELab	87.69, -74.72, 83.64
CIELCh	88, 112.155, 131.774
Yxy	71.4273, 0.3205, 0.5837
Android (android.graphics.Color)	4284480256 (0xFF5FFB00)
YUV	175.7420, -86.6408, -70.8107
Hunter-Lab	84.5147, -65.0731, 50.9384

Details

The XYZ color **39.2165, 71.4273, 11.7199** 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 **31.1323, 14.0383, 92.3396**, and the grayscale version is **41.5780, 43.7433, 47.6365**.

A 20% lighter version of the original color is **52.5921, 79.9741, 22.7899**, and **19.0700, 38.1399, 6.3567** is the 20% darker color. If you saturate the color by 10%, you get **39.2156, 71.4290, 11.7203**, and if you desaturate by 10%, it is **41.1813, 72.4219, 12.7359**.

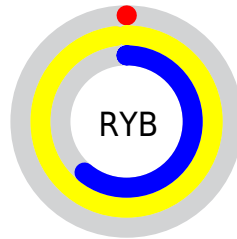
Distribution



Red (37%)

Green (98%)

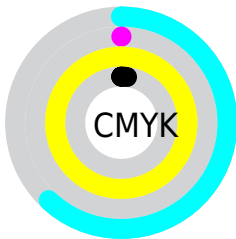
Blue (0%)



Red (0%)

Yellow (98%)

Blue (61%)

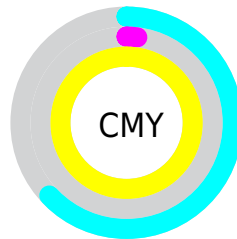


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (63%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2165, 71.4273, 11.7199 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 39.2165, 71.4273, 11.7199 by changing the saturation by 10% instead.


 39.2165, 71.4273,
11.7199


 39.2165, 71.4273,
11.7199


334.0014,
465.5458, 213.4537

 27.1097, 52.6910,
6.4330


 73.2609, 121.2420,
29.6406

 17.7926, 37.5561,
3.0371


 95.9292, 153.0891,
43.1116


 10.9000, 25.6384,
1.1136


 122.8487,
190.0752, 60.1477

 6.0664, 16.5533,
0.0000

 154.3847,
232.5849, 81.1674

 2.9266, 9.9165,
0.0000

 190.9026,
281.0023, 106.5894

 1.1150, 5.3436,
0.0000

 232.7678,

 0.0376, 2.4503,

335.7121, 136.8320

0.0000

280.3456,
397.0984, 172.3140

■ 0.0000, 0.8516,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2165, 71.4273,
11.7199

■ 39.2165, 71.4273,
11.7199

■ 39.2156, 71.4290,
11.7203

■ 41.1813, 72.4219,
12.7359

■ 43.7140, 73.6810,
14.9625

■ 46.9027, 75.2438,
18.7690

■ 50.8052, 77.1355,
24.3792

■ 55.4715, 79.3777,
31.9810

■ 60.9466, 81.9899,
41.7385

■ 67.2715, 84.9901,
53.7989

■ 74.4840, 88.3948,
68.2964

■ 82.6196, 92.2197,
85.3550

Harmonies

Analogous

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



57.9856, 71.4273, 4.4682



39.2165, 71.4273, 11.7199



29.9969, 71.4273, 40.3886

Triad

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



39.2165, 71.4273, 11.7199



53.1268, 71.4273, 316.0904



131.2185, 71.4273, 51.5651

Complementary

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



39.2165, 71.4273, 11.7199



31.1323, 14.0383, 92.3396

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.



128.9223, 71.4273, 133.1197



39.2165, 71.4273, 11.7199



78.8614, 71.4273, 327.0728

Square

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



39.2165, 71.4273, 11.7199



36.4627, 71.4273, 221.7116



107.9461, 71.4273, 245.9633



113.5818, 71.4273, 15.3374

Rectangle

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



39.2165, 71.4273, 11.7199



28.5477, 71.4273, 82.3927



107.9461, 71.4273, 245.9633



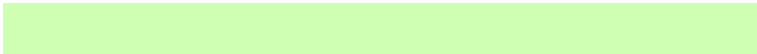
132.8559, 71.4273, 73.3277

Sweetspot

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



39.2181, 71.4303, 11.7215



69.7032, 88.0843, 55.7114



51.4738, 43.8865, 5.7591



14.3040, 18.5622, 10.7320



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.



39.2181, 71.4303, 11.7215



40.6354, 74.0334, 12.1482



34.7249, 69.0879, 12.6881



17.6380, 19.6292, 18.3216



20.7612, 37.6211, 6.1674



2.0364, 3.5429, 0.5765

Inverse Universe

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



31.1323, 14.0383, 92.3396



32.2515, 14.5411, 95.7146



52.9338, 25.7701, 71.0985



17.3195, 17.1774, 21.7880



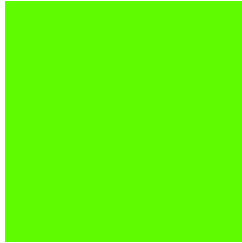
16.5291, 7.4637, 48.5430



1.6486, 0.7520, 4.5014

Previews

White Background



This preview shows how the XYZ color 39.2165, 71.4273, 11.7199 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 39.2165, 71.4273, 11.7199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

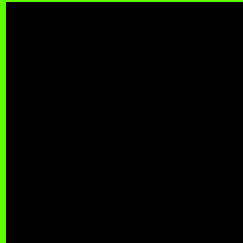
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2165, 71.4273, 11.7199

Background



This preview shows how black text looks on a background with the XYZ color 39.2165, 71.4273, 11.7199.



This preview shows how white text looks on a background with the XYZ color 39.2165, 71.4273,

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

39.2165, 71.4273, 11.7199

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

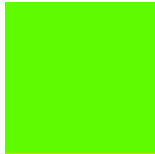
69.4922, 69.8317, 35.8028



Tritanopia

57.1908, 70.7094, 102.7295

Trichromacy



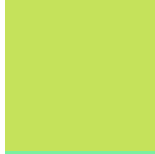
Original Color

39.2165, 71.4273, 11.7199



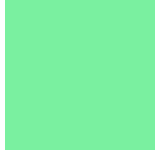
Protanomaly

49.7827, 67.6700, 10.4378



Deuteranomaly

52.1106, 67.0184, 20.0868



Tritanomaly

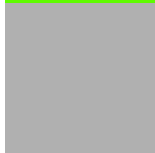
45.5313, 68.9958, 44.1755

Monochromacy



Original Color

39.2165, 71.4273, 11.7199



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.3132, 50.0848, 23.0827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2165, 71.4273, 11.7199 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(95, 251, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 251, 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(95, 251, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 251, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.2165, 71.4273, 11.7199 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(95, 251, 0) }
```


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

```
.border{ border-color:rgb(95, 251, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 251, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 251, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 251, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 251, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.2165, 71.4273, 11.7199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 251, 0) }
```

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

```
.background{ background-color: rgb(95, 251,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor