

Converting Colors

XYZ(39.1825, 67.4572, 10.9554)

Have a look what the booklet for
XYZ(39.1825, 67.4572, 10.9554)
contains.

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Color

**XYZ(39.0882, 67.2862,
10.9274)**

Conversions

Conversions Part 1

Format	Color
Hex	75F200
RGB	117, 242, 0
RGB Percent	46%, 95%, 0%
CMY	0.5412, 0.0510, 0.9999
CMYK	0.52, 0.00, 1.00, 0.05
HSL	91°, 100%, 47%
HSV	91°, 100%, 95%
XYZ	39.0882, 67.2862, 10.9274
YIQ	177.0370, 3.1820, -101.7620

Conversions

Conversions Part 2

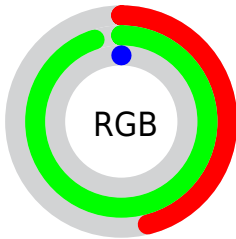
Format	Color
RYB	0, 242, 125
Decimal	7729664
CIELab	85.65, -66.31, 82.31
CIELCh	86, 105.702, 128.856
Yxy	67.2862, 0.3332, 0.5736
Android (android.graphics.Color)	4285919744 (0xFF75F200)
YUV	177.0370, -87.2792, -52.6524
Hunter-Lab	82.0282, -58.4902, 49.5214

Details

The XYZ color **39.0882, 67.2862, 10.9274** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **24.4917, 10.7750, 84.7972**, and the grayscale version is **42.2564, 44.4570, 48.4137**.

A 20% lighter version of the original color is **56.4279, 81.9615, 22.5190**, and **18.3452, 35.2115, 5.8296** is the 20% darker color. If you saturate the color by 10%, you get **39.0871, 67.2877, 10.9277**, and if you desaturate by 10%, it is **41.0505, 68.2806, 11.8930**.

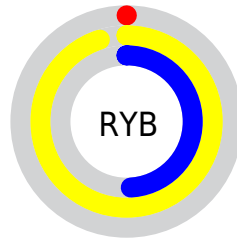
Distribution



Red (46%)

Green (95%)

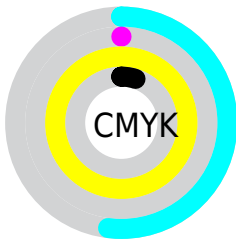
Blue (0%)



Red (0%)

Yellow (95%)

Blue (49%)

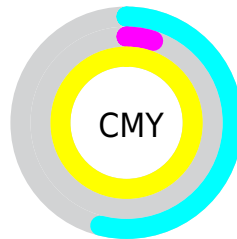


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (54%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0882, 67.2862, 10.9274 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 39.0882, 67.2862, 10.9274 by changing the saturation by 10% instead.


 39.0882, 67.2862,
10.9274


 39.0882, 67.2862,
10.9274


333.4660,
450.9628, 207.8883


 27.0094, 49.3172,
5.9045


 73.0662, 115.3304,
28.1604

 17.7169, 34.8712,
2.7192


 95.6962, 146.1745,
41.2076


 10.8454, 23.5637,
0.9531


 122.5739,
182.0790, 57.7667

 6.0295, 15.0103,
0.0000

 154.0647,
223.4284, 78.2561

 2.9038, 8.8266,
0.0000

 190.5339,
270.6071, 103.0944

 1.1031, 4.6283,
0.0000

 232.3470,

 0.0277, 2.0308,

323.9995, 132.7002

0.0000

279.8693,
383.9899, 167.4920

■ 0.0000, 0.6253,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.0882, 67.2862,
10.9274

■ 39.0882, 67.2862,
10.9274

■ 39.0871, 67.2877,
10.9277

■ 41.0505, 68.2806,
11.8930

■ 43.4521, 69.4753,
13.9637

■ 46.3672, 70.9032,
17.4824

■ 49.8419, 72.5837,
22.6528

■ 53.9159, 74.5333,
29.6462

■ 58.6245, 76.7671,
38.6124

■ 63.9999, 79.2987,
49.6857

■ 70.0716, 82.1406,
62.9887

■ 76.8672, 85.3046,
78.6343

Harmonies

Analogous

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



57.0890, 67.2862, 4.8331



39.0882, 67.2862, 10.9274



29.7682, 67.2862, 35.0948

Triad

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



39.0882, 67.2862, 10.9274



48.6680, 67.2862, 279.4907



121.4569, 67.2862, 54.6915

Complementary

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



39.0882, 67.2862, 10.9274



24.4917, 10.7750, 84.7972

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.



117.5665, 67.2862, 132.2375



39.0882, 67.2862, 10.9274



71.3473, 67.2862, 297.8077

Square

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



39.0882, 67.2862, 10.9274



34.2564, 67.2862, 191.8648



97.6090, 67.2862, 232.5672



107.1940, 67.2862, 17.5977

Rectangle

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



39.0882, 67.2862, 10.9274



27.9408, 67.2862, 70.6482



97.6090, 67.2862, 232.5672



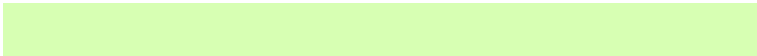
122.2908, 67.2862, 75.9420

Sweetspot

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



39.0897, 67.2891, 10.9289



72.0113, 89.2741, 55.8194



43.4597, 32.5579, 3.9948



14.8462, 18.8417, 10.7574



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.



39.0897, 67.2891, 10.9289



43.9659, 75.7503, 12.3040



31.7542, 63.5075, 10.5856



16.2931, 18.0313, 16.7714



21.1532, 36.2265, 5.8775



1.8741, 3.0727, 0.4943

Inverse Universe

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



24.4917, 10.7750, 84.7972



27.5248, 12.1044, 95.4934



52.6478, 25.2900, 86.1149



15.6762, 15.6303, 19.9123



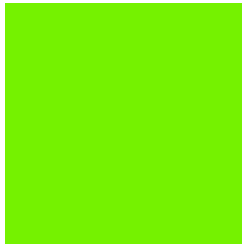
13.3137, 5.8689, 45.5590



1.2225, 0.5475, 3.7955

Previews

White Background



This preview shows how the XYZ color 39.0882, 67.2862, 10.9274 looks on a white background.

Color Contrast Check

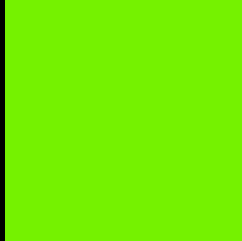
Large Text (above 18pt) WCAG AA × Fail

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 39.0882, 67.2862, 10.9274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

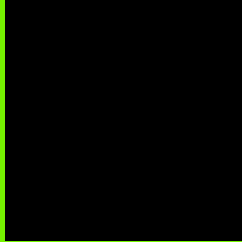
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.0882, 67.2862, 10.9274

Background



This preview shows how black text looks on a background with the XYZ color 39.0882, 67.2862, 10.9274.



This preview shows how white text looks on a background with the XYZ color 39.0882, 67.2862,

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

39.0882, 67.2862, 10.9274

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

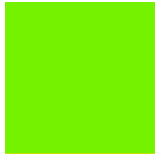
66.1626, 65.7776, 26.6620



Tritanopia

55.6806, 66.8055, 94.7541

Trichromacy



Original Color

39.0882, 67.2862, 10.9274



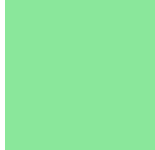
Protanomaly

49.1613, 64.9134, 9.9385



Deuteranomaly

51.5527, 63.6437, 16.4048



Tritanomaly

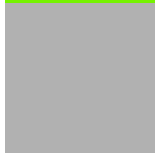
44.9735, 64.9217, 41.1711

Monochromacy



Original Color

39.0882, 67.2862, 10.9274



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.3848, 49.9341, 23.2906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0882, 67.2862, 10.9274 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(117, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 242, 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(117, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.0882, 67.2862, 10.9274 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(117, 242, 0) }
```


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

```
.border{ border-color:rgb(117, 242, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 242,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0882, 67.2862, 10.9274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 242, 0) }
```

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

```
.background{ background-color: rgb(117,  
242, 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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