

Converting Colors

XYZ(38.4757, 67.0809, 10.9200)

Have a look what the booklet for
XYZ(38.4757, 67.0809, 10.9200)
contains.

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Color

**XYZ(38.4342, 66.9490,
10.8968)**

Conversions

Conversions Part 1

Format	Color
Hex	70F200
RGB	112, 242, 0
RGB Percent	44%, 95%, 0%
CMY	0.5608, 0.0510, 0.9999
CMYK	0.54, 0.00, 1.00, 0.05
HSL	92°, 100%, 47%
HSV	92°, 100%, 95%
XYZ	38.4342, 66.9490, 10.8968
YIQ	175.5420, 0.2020, -102.8220

Conversions

Conversions Part 2

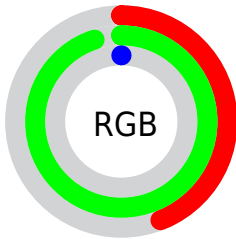
Format	Color
RYB	0, 242, 130
Decimal	7401984
CIELab	85.48, -67.67, 82.11
CIELCh	85, 106.396, 129.493
Yxy	66.9490, 0.3305, 0.5758
Android (android.graphics.Color)	4285592064 (0xFF70F200)
YUV	175.5420, -86.5422, -55.7263
Hunter-Lab	81.8224, -59.3428, 49.3796

Details

The XYZ color **38.4342, 66.9490, 10.8968** 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 **25.2405, 11.1610, 84.8321**, and the grayscale version is **41.4681, 43.6276, 47.5105**.

A 20% lighter version of the original color is **55.2847, 81.3721, 22.4654**, and **17.9762, 35.0213, 5.8123** is the 20% darker color. If you saturate the color by 10%, you get **38.4331, 66.9505, 10.8971**, and if you desaturate by 10%, it is **40.3786, 67.9341, 11.8616**.

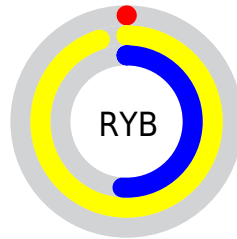
Distribution



Red (44%)

Green (95%)

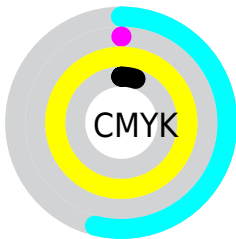
Blue (0%)



Red (0%)

Yellow (95%)

Blue (51%)

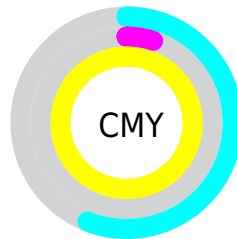


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (56%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4342, 66.9490, 10.8968 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 38.4342, 66.9490, 10.8968 by changing the saturation by 10% instead.


 38.4342, 66.9490,
10.8968


 38.4342, 66.9490,
10.8968


330.7277,
449.7632, 207.6701


 26.4986, 49.0432,
5.8842


 72.0728, 114.8473,
28.1029


 17.3316, 34.6537,
2.7071


 94.5065, 145.6086,
41.1335


 10.5680, 23.3963,
0.9470

 121.1702,
181.4239, 57.6738

 5.8423, 14.8864,
0.0000

 152.4294,
222.6775, 78.1423

 2.7892, 8.7397,
0.0000

 188.6494,
269.7538, 102.9577

 1.0433, 4.5718,
0.0000

 230.1956,

 0.0000, 1.9983,

323.0373, 132.5384

0.0000

277.4332,
382.9123, 167.3031

■ 0.0000, 0.6065,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4342, 66.9490,
10.8968

■ 38.4342, 66.9490,
10.8968

■ 38.4331, 66.9505,
10.8971

■ 40.3786, 67.9341,
11.8616

■ 42.7781, 69.1278,
13.9322

■ 45.7079, 70.5633,
17.4516

■ 49.2154, 72.2606,
22.6236

■ 53.3413, 74.2370,
29.6194

■ 58.1216, 76.5078,
38.5891

■ 63.5895, 79.0871,
49.6668

■ 69.7754, 81.9878,
62.9750

■ 76.7077, 85.2223,
78.6271

Harmonies

Analogous

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



56.2779, 66.9490, 4.6730



38.4342, 66.9490, 10.8968



29.2970, 66.9490, 35.5278

Triad

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



38.4342, 66.9490, 10.8968



48.7125, 66.9490, 281.8693



121.2986, 66.9490, 53.0897

Complementary

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



38.4342, 66.9490, 10.8968



25.2405, 11.1610, 84.8321

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.



117.7866, 66.9490, 130.1144



38.4342, 66.9490, 10.8968



71.6025, 66.9490, 298.4602

Square

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



38.4342, 66.9490, 10.8968



34.1045, 66.9490, 194.3992



97.9688, 66.9490, 231.2163



106.6145, 66.9490, 16.8123

Rectangle

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



38.4342, 66.9490, 10.8968



27.5783, 66.9490, 71.7251



97.9688, 66.9490, 231.2163



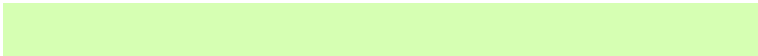
122.2760, 66.9490, 74.0797

Sweetspot

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



38.4357, 66.9519, 10.8983



71.5479, 89.0353, 55.7977



44.4814, 34.6014, 4.3354



14.7370, 18.7854, 10.7523



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.



38.4357, 66.9519, 10.8983



43.2302, 75.3711, 12.2696



31.7984, 63.5251, 10.8183



16.2610, 18.0147, 16.7699



20.7997, 36.0442, 5.8610



1.8440, 3.0571, 0.4929

Inverse Universe

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



25.2405, 11.1610, 84.8321



28.3677, 12.5390, 95.5329



51.4625, 24.8159, 79.8736



15.7085, 15.6469, 19.9138



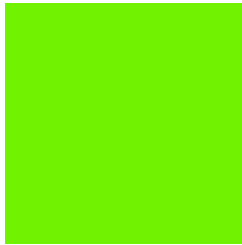
13.7167, 6.0766, 45.5778



1.2558, 0.5647, 3.7970

Previews

White Background



This preview shows how the XYZ color 38.4342, 66.9490, 10.8968 looks on a white background.

Color Contrast Check

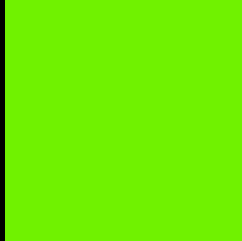
Large Text (above 18pt) WCAG AA × Fail

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 38.4342, 66.9490, 10.8968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

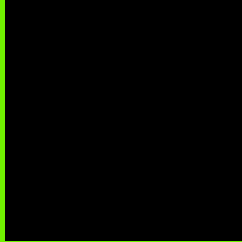
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

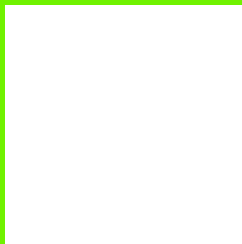
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4342, 66.9490, 10.8968

Background



This preview shows how black text looks on a background with the XYZ color 38.4342, 66.9490, 10.8968.



This preview shows how white text looks on a background with the XYZ color 38.4342, 66.9490,

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

38.4342, 66.9490, 10.8968

Protanopia

59.3909, 65.9392, 9.5973

Deuteranopia

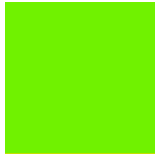
66.0438, 65.7301, 26.0359



Tritanopia

55.1355, 66.5245, 94.7286

Trichromacy



Original Color

38.4342, 66.9490, 10.8968



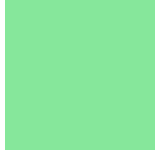
Protanomaly

48.6480, 64.6488, 9.9144



Deuteranomaly

50.9360, 63.3337, 16.0186



Tritanomaly

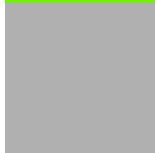
44.3238, 64.5867, 41.1407

Monochromacy



Original Color

38.4342, 66.9490, 10.8968



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.7158, 49.2507, 22.9004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4342, 66.9490, 10.8968 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, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 242, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.4342, 66.9490, 10.8968 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, 242, 0) }
```


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

```
.border{ border-color:rgb(112, 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(112, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 242,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4342, 66.9490, 10.8968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 242, 0) }
```

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

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