

Converting Colors

XYZ(38.2342, 70.3326, 15.1721)

Have a look what the booklet for
XYZ(38.2342, 70.3326, 15.1721)
contains.

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Color

**XYZ(38.2685, 70.3964,
15.1853)**

Conversions

Conversions Part 1

Format	Color
Hex	51FA37
RGB	81, 250, 55
RGB Percent	32%, 98%, 22%
CMY	0.6824, 0.0196, 0.7843
CMYK	0.68, 0.00, 0.78, 0.02
HSL	112°, 95%, 60%
HSV	112°, 78%, 98%
XYZ	38.2685, 70.3964, 15.1853
YIQ	177.2390, -38.1290, -96.4730

Conversions

Conversions Part 2

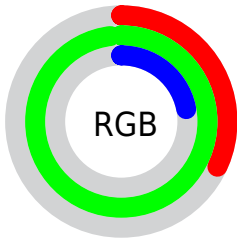
Format	Color
RYB	55, 250, 224
Decimal	5372471
CIELab	87.19, -75.58, 74.20
CIELCh	87, 105.914, 135.529
Yxy	70.3964, 0.3090, 0.5684
Android (android.graphics.Color)	4283562551 (0xFF51FA37)
YUV	177.2390, -60.2638, -84.4016
Hunter-Lab	83.9026, -65.4145, 48.0011

Details

The XYZ color **38.2685, 70.3964, 15.1853** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **49.3673, 25.4851, 92.7635**, and the grayscale version is **42.2390, 44.4387, 48.3937**.

A 20% lighter version of the original color is **51.4901, 79.2650, 29.1089**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **36.2448, 69.4079, 12.7156**, and if you desaturate by 10%, it is **41.1908, 71.8174, 19.2823**.

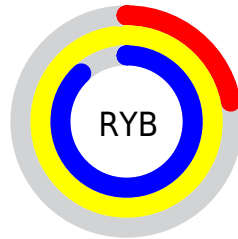
Distribution



Red (32%)

Green (98%)

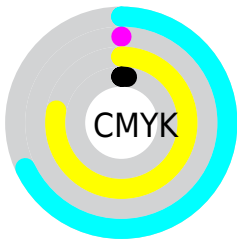
Blue (22%)



Red (22%)

Yellow (98%)

Blue (88%)

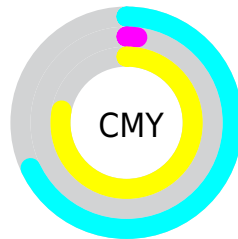


Cyan (68%)

Magenta (0%)

Yellow (78%)

Black (2%)



Cyan (68%)


Magenta (2%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2685, 70.3964, 15.1853 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 38.2685, 70.3964, 15.1853 by changing the saturation by 10% instead.


 38.2685, 70.3964,
15.1853


 38.2685, 70.3964,
15.1853


330.0313,
461.9406, 236.1644

 26.3693, 51.8498,
8.8015


 71.8207, 119.7739,
35.9248


 17.2343, 36.8853,
4.5169


 94.2045, 151.3735,
51.1176


 10.4980, 25.1187,
1.9130


 120.8138,
188.0929, 70.0837

 5.7952, 16.1655,
0.5010

 152.0141,
230.3165, 93.2418

 2.7604, 9.6414,
0.0000

 188.1706,
278.4287, 121.0104

 1.0284, 5.1618,
0.0000

229.6487,

 0.0000, 2.3425,

332.8138, 153.8080

0.0000

276.8139,
393.8563, 192.0531

■ 0.0000, 0.7961,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.2685, 70.3964,
15.1853

■ 38.2685, 70.3964,
15.1853

■ 36.2448, 69.4079,
12.7156

■ 41.1908, 71.8174,
19.2823


■ 35.0015, 68.7908,
11.5770


■ 45.0981, 73.7044,
25.2166


■ 34.8247, 68.7028,
11.4255


■ 50.0717, 76.0974,
33.1718


■ 56.1830, 79.0299,
43.3080

 63.4971, 82.5322,
55.7694

 72.0742, 86.6326,
70.6877

 81.9704, 91.3572,
88.1849

 93.2364, 96.7301,
108.3644

 93.4771, 96.8541,
108.3757

Harmonies

Analogous

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



54.9115, 70.3964, 5.9435



38.2685, 70.3964, 15.1853



30.4790, 70.3964, 47.2784

Triad

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



38.2685, 70.3964, 15.1853



55.6619, 70.3964, 300.2790



124.3369, 70.3964, 45.5318

Complementary

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



38.2685, 70.3964, 15.1853



49.3673, 25.4851, 92.7635

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.



124.6824, 70.3964, 116.1988



38.2685, 70.3964, 15.1853



80.5394, 70.3964, 298.6568

Square

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



38.2685, 70.3964, 15.1853



38.7000, 70.3964, 221.7088



107.1427, 70.3964, 218.1013



106.2910, 70.3964, 14.5862

Rectangle

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



38.2685, 70.3964, 15.1853



29.7193, 70.3964, 90.6095



107.1427, 70.3964, 218.1013



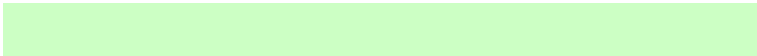
126.6523, 70.3964, 64.2029

Sweetspot

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



38.2701, 70.3994, 15.1869



70.7115, 88.3825, 65.7663



66.7729, 73.9149, 14.3632



14.4600, 18.5946, 12.9064



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.



38.2701, 70.3994, 15.1869



37.0322, 72.1656, 12.4408



39.5618, 70.7061, 31.4732



17.2324, 19.4201, 18.3026



18.5378, 36.4749, 6.0633



1.7815, 3.4115, 0.5646

Inverse Universe

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



49.3673, 25.4851, 92.7635



48.6720, 23.2662, 96.5333



48.8794, 26.2928, 44.8851



17.7521, 17.4004, 21.8083



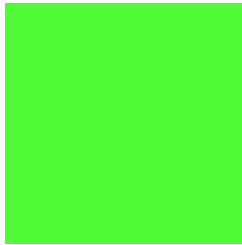
24.3695, 11.5056, 48.9099



2.3181, 1.0971, 4.5328

Previews

White Background



This preview shows how the XYZ color 38.2685, 70.3964, 15.1853 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 38.2685, 70.3964, 15.1853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

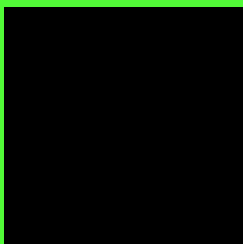
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

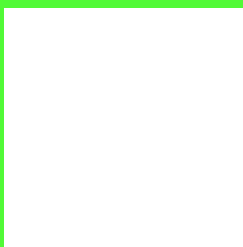
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2685, 70.3964, 15.1853

Background



This preview shows how black text looks on a background with the XYZ color 38.2685, 70.3964, 15.1853.

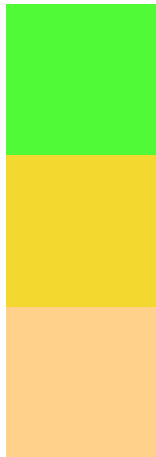


This preview shows how white text looks on a background with the XYZ color 38.2685, 70.3964,

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

38.2685, 70.3964, 15.1853

Protanopia

62.2881, 68.8856, 12.7026

Deuteranopia

68.7007, 68.7250, 34.0704



Tritanopia

55.6117, 69.8953, 102.6556

Trichromacy



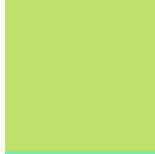
Original Color

38.2685, 70.3964, 15.1853



Protanomaly

48.3622, 66.4593, 13.2966



Deuteranomaly

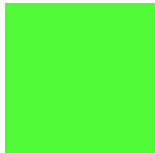
51.1007, 65.6005, 24.1562



Tritanomaly

45.6603, 68.4078, 53.9775

Monochromacy



Original Color

38.2685, 70.3964, 15.1853



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

36.9818, 50.6300, 30.0137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2685, 70.3964, 15.1853 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(81, 250, 55)` looks like.

```
.text, #text, p{  
    color:rgb(81, 250, 55)  
}
```

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(81, 250, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 250, 55) }
```

Border

The CSS property to change the border of an element to XYZ 38.2685, 70.3964, 15.1853 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(81, 250, 55) }
```


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

```
.border{ border-color:rgb(81, 250, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 250, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 250, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 250, 55);  
box-shadow:4px 4px 4px 4px rgb(81, 250,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2685, 70.3964, 15.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 250, 55) }
```

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

```
.background{ background-color: rgb(81, 250,  
55) }
```

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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