

Converting Colors

XYZ(38.8842, 70.7042, 15.7409)

Have a look what the booklet for
XYZ(38.8842, 70.7042, 15.7409)
contains.

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Color

**XYZ(38.9055, 70.7132,
15.7362)**

Conversions

Conversions Part 1

Format	Color
Hex	57FA3B
RGB	87, 250, 59
RGB Percent	34%, 98%, 23%
CMY	0.6588, 0.0196, 0.7686
CMYK	0.65, 0.00, 0.76, 0.02
HSL	111°, 95%, 61%
HSV	111°, 76%, 98%
XYZ	38.9055, 70.7132, 15.7362
YIQ	179.4890, -35.8370, -93.9570

Conversions

Conversions Part 2

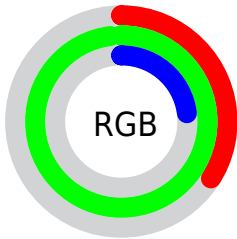
Format	Color
RYB	59, 250, 222
Decimal	5765691
CIELab	87.35, -74.21, 73.23
CIELCh	87, 104.254, 135.382
Yxy	70.7132, 0.3104, 0.5641
Android (android.graphics.Color)	4283955771 (0xFF57FA3B)
YUV	179.4890, -59.4011, -81.1129
Hunter-Lab	84.0911, -64.5749, 47.7687

Details

The XYZ color **38.9055, 70.7132, 15.7362** 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 **48.9486, 25.5628, 92.8005**, and the grayscale version is **43.4321, 45.6940, 49.7608**.

A 20% lighter version of the original color is **52.6073, 79.8205, 30.0870**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **36.7000, 69.6362, 13.0208**, and if you desaturate by 10%, it is **42.0130, 72.2236, 20.1156**.

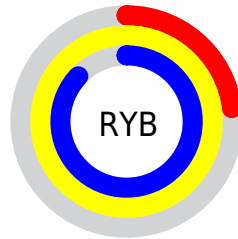
Distribution



Red (34%)

Green (98%)

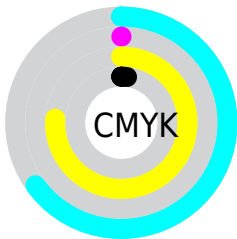
Blue (23%)



Red (23%)

Yellow (98%)

Blue (87%)

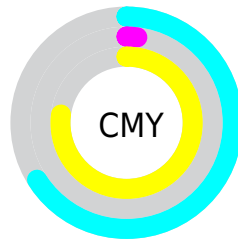


Cyan (65%)

Magenta (0%)

Yellow (76%)

Black (2%)



Cyan (66%)


Magenta (2%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9055, 70.7132, 15.7362 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 38.9055, 70.7132, 15.7362 by changing the saturation by 10% instead.


 38.9055, 70.7132,
15.7362


 38.9055, 70.7132,
15.7362


332.7026,
463.0502, 239.5723


 26.8666, 52.1082,
9.1853


 72.7889, 120.2253,
36.9000

 17.6091, 37.0913,
4.7638


 95.3642, 151.9011,
52.3501

 10.7677, 25.2782,
2.0531


 122.1823,
188.7027, 71.6036

 5.9770, 16.2844,
0.5876

 153.6085,
231.0144, 95.0791

 2.8716, 9.7257,
0.0000

 190.0084,
279.2206, 123.1953

 1.0862, 5.2174,
0.0000

231.7471,

 0.0136, 2.3754,

333.7057, 156.3705

0.0000

279.1901,
394.8541, 195.0233

■ 0.0000, 0.8132,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9055, 70.7132,
15.7362

■ 38.9055, 70.7132,
15.7362

■ 36.7000, 69.6362,
13.0208

■ 42.0130, 72.2236,
20.1156

■ 35.2892, 68.9366,
11.7048

■ 46.1037, 74.1984,
26.3624

■ 34.9371, 68.7608,
11.4308

■ 51.2551, 76.6758,
34.6563

■ 57.5352, 79.6875,
45.1543

■ 65.0066, 83.2626,
57.9983

■ 73.7269, 87.4280,
73.3183

■ 83.7502, 92.2090,
91.2347

■ 93.4770, 96.8541,
108.3757

Harmonies

Analogous

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



55.4541, 70.7132, 6.3753



38.9055, 70.7132, 15.7362



31.1085, 70.7132, 47.6761

Triad

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



38.9055, 70.7132, 15.7362



55.9912, 70.7132, 295.7815



123.7499, 70.7132, 46.4211

Complementary

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



38.9055, 70.7132, 15.7362



48.9486, 25.5628, 92.8005

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.



123.9950, 70.7132, 116.3856



38.9055, 70.7132, 15.7362



80.5217, 70.7132, 294.6374

Square

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



38.9055, 70.7132, 15.7362



39.2158, 70.7132, 218.8231



106.7079, 70.7132, 216.2732



106.1027, 70.7132, 15.2976

Rectangle

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



38.9055, 70.7132, 15.7362



30.3257, 70.7132, 90.3807



106.7079, 70.7132, 216.2732



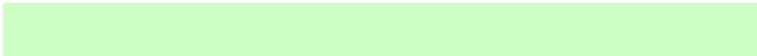
125.9903, 70.7132, 65.0002

Sweetspot

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



38.9072, 70.7162, 15.7378



70.9255, 88.4929, 65.7763



66.1660, 72.5414, 14.6534



14.5103, 18.6206, 12.9088



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.



38.9072, 70.7162, 15.7378



37.4535, 72.3780, 12.6770



39.7478, 70.8068, 31.2625



17.2540, 19.4312, 18.3036



18.6026, 36.5083, 6.0663



1.7917, 3.4168, 0.5651

Inverse Universe

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



48.9486, 25.5628, 92.8005



48.0098, 23.0468, 96.5258



49.5539, 26.8790, 47.4613



17.7284, 17.3881, 21.8072



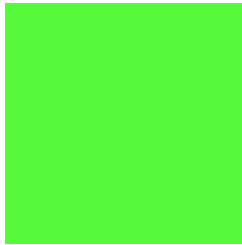
23.8597, 11.2428, 48.8861



2.2758, 1.0753, 4.5308

Previews

White Background



This preview shows how the XYZ color 38.9055, 70.7132, 15.7362 looks on a white background.

Color Contrast Check

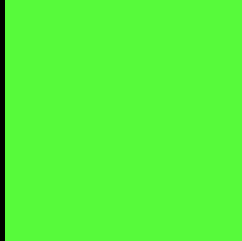
Large Text (above 18pt) WCAG AA × Fail

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 38.9055, 70.7132, 15.7362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

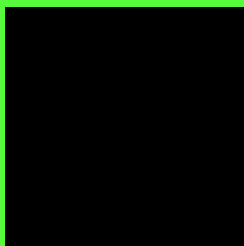
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9055, 70.7132, 15.7362

Background



This preview shows how black text looks on a background with the XYZ color 38.9055, 70.7132, 15.7362.

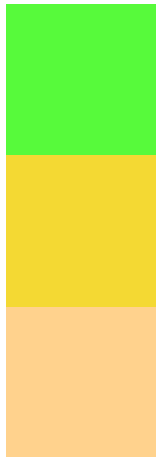


This preview shows how white text looks on a background with the XYZ color 38.9055, 70.7132,

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

38.9055, 70.7132, 15.7362

Protanopia

62.7186, 69.0978, 13.1636

Deuteranopia

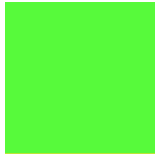
69.0943, 69.2763, 34.9293



Tritanopia

56.0697, 70.1314, 102.6770

Trichromacy



Original Color

38.9055, 70.7132, 15.7362



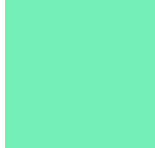
Protanomaly

49.1787, 66.8698, 13.8052



Deuteranomaly

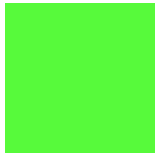
52.0426, 66.4675, 25.1255



Tritanomaly

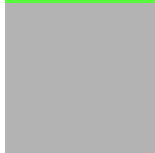
46.3802, 68.7552, 55.0826

Monochromacy



Original Color

38.9055, 70.7132, 15.7362



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.0586, 51.5229, 30.8607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9055, 70.7132, 15.7362 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(87, 250, 59)` looks like.

```
.text, #text, p{  
    color:rgb(87, 250, 59)  
}
```

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(87, 250, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 250, 59) }
```

Border

The CSS property to change the border of an element to XYZ 38.9055, 70.7132, 15.7362 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(87, 250, 59) }
```


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

```
.border{ border-color:rgb(87, 250, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 250, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 250, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 250, 59);  
box-shadow:4px 4px 4px 4px rgb(87, 250,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9055, 70.7132, 15.7362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 250, 59) }
```

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

```
.background{ background-color: rgb(87, 250,  
59) }
```

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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