

Converting Colors

XYZ(38.5612, 70.3458, 22.3313)

Have a look what the booklet for
XYZ(38.5612, 70.3458, 22.3313)
contains.

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Color

**XYZ(38.5659, 70.3907,
22.3806)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 43FA5F |
| RGB | 67, 250, 95 |
| RGB Percent | 26%, 98%, 37% |
| CMY | 0.7372, 0.0196, 0.6274 |
| CMYK | 0.73, 0.00, 0.62, 0.02 |
| HSL | 129°, 95%, 62% |
| HSV | 129°, 73%, 98% |
| XYZ | 38.5659, 70.3907, 22.3806 |
| YIQ | 177.6130, -59.3130, -87.0010 |

Conversions

Conversions Part 2

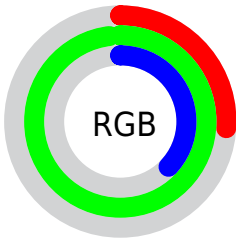
| Format | Color |
|--|--|
| RYB | 67, 226, 250 |
| Decimal | 4455007 |
| CIELab | 87.19, -74.61, 59.88 |
| CIElCh | 87, 95.670, 141.253 |
| Yxy | 70.3907, 0.2936, 0.5360 |
| Android (android.graphics.Color) | 4282645087 (0xFF43FA5F) |
| YUV | 177.6130, -40.7282, -97.0076 |
| Hunter-Lab | 83.8992, -64.7725, 42.9135 |

Details

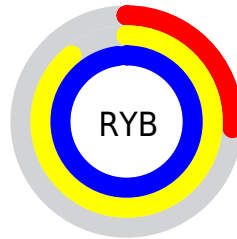
The XYZ color **38.5659, 70.3907, 22.3806** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **54.6182, 29.6133, 71.9454**, and the grayscale version is **42.3447, 44.5499, 48.5149**.

A 20% lighter version of the original color is **52.0802, 79.2975, 41.4152**, and **19.1836, 37.8328, 8.0417** is the 20% darker color. If you saturate the color by 10%, you get **36.3722, 69.3583, 17.9190**, and if you desaturate by 10%, it is **41.7637, 71.9145, 28.2575**.

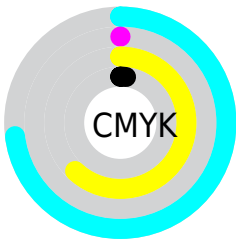
Distribution



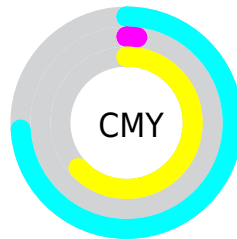
- Red (26%)
- Green (98%)
- Blue (37%)



- Red (26%)
- Yellow (89%)
- Blue (98%)



- Cyan (73%)
- Magenta (0%)
- Yellow (62%)
- Black (2%)





- Cyan (74%)
- Magenta (2%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5659, 70.3907, 22.3806 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 38.5659, 70.3907, 22.3806 by changing the saturation by 10% instead.


 38.5659, 70.3907,
22.3806


 38.5659, 70.3907,
22.3806


331.2804,
461.9206, 277.5455


 26.6014, 51.8451,
13.9358


 72.2730, 119.7658,
48.2845


 17.4091, 36.8816,
7.9378


 94.7463, 151.3640,
66.5807

 10.6237, 25.1159,
3.9680


 121.4533,
188.0819, 88.9978

 5.8798, 16.1634,
1.6078

 152.7593,
230.3040, 115.9543

 2.8121, 9.6398,
0.2964

189.0296,
278.4144, 147.8688

 1.0552, 5.1608,
0.0000

230.6297,

 0.0000, 2.3419,

332.7978, 185.1598

0.0000

277.9248,
393.8384, 228.2459

■ 0.0000, 0.7958,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5659, 70.3907,
22.3806

■ 38.5659, 70.3907,
22.3806

■ 36.3722, 69.3583,
17.9190

■ 41.7637, 71.9145,
28.2575


■ 35.0528, 68.7470,
14.7487

■ 46.0643, 73.9724,
35.6507


■ 34.5410, 68.5156,
13.2598


■ 51.5600, 76.6119,
44.6572

■ 58.3321, 79.8730,
55.3648

 66.4545, 83.7923,
67.8547

 75.9955, 88.4031,
82.2032

 87.0188, 93.7369,
98.4819

 93.4770, 96.8540,
108.3757

Harmonies

Analogous

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



52.4433, 70.3907, 9.5133



38.5659, 70.3907, 22.3806



32.6624, 70.3907, 59.3363

Triad

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



38.5659, 70.3907, 22.3806



60.5512, 70.3907, 275.3061



115.7459, 70.3907, 39.9933

Complementary

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



38.5659, 70.3907, 22.3806



54.6182, 29.6133, 71.9454

Split Complementary

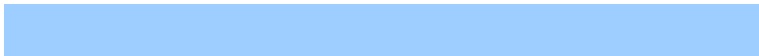
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.2892, 70.3907, 97.0260



38.5659, 70.3907, 22.3806



83.8056, 70.3907, 259.2776

Square

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



38.5659, 70.3907, 22.3806



43.3576, 70.3907, 219.1714



106.5397, 70.3907, 182.9974



97.7263, 70.3907, 15.0010

Rectangle

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



38.5659, 70.3907, 22.3806



32.8661, 70.3907, 103.3916



106.5397, 70.3907, 182.9974



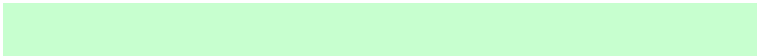
118.8078, 70.3907, 54.9591

Sweetspot

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



38.5676, 70.3936, 22.3822



70.6085, 88.1772, 72.6409



65.4943, 84.3964, 18.1487



14.5786, 18.6154, 14.7354



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.



38.5676, 70.3936, 22.3822



37.2654, 72.1861, 16.9608



45.3598, 73.1105, 58.1494



17.1256, 19.3525, 18.8621



18.3534, 36.3543, 7.2041



1.7307, 3.3794, 0.8300

Inverse Universe

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



54.6182, 29.6133, 71.9454



54.7258, 27.4217, 70.5795



45.5335, 25.9794, 24.1061



17.8722, 17.4762, 21.1827



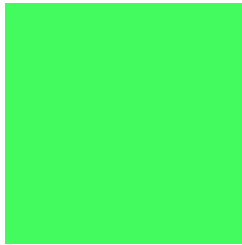
27.2418, 13.3124, 34.3113



2.5529, 1.2449, 3.3351

Previews

White Background



This preview shows how the XYZ color 38.5659, 70.3907, 22.3806 looks on a white background.

Color Contrast Check

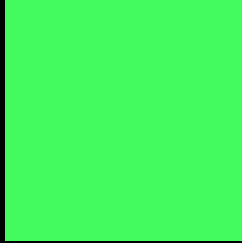
Large Text (above 18pt) WCAG AA × Fail

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 38.5659, 70.3907, 22.3806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

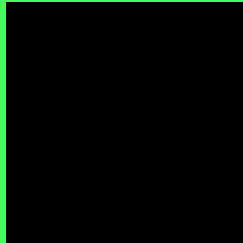
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5659, 70.3907, 22.3806

Background



This preview shows how black text looks on a background with the XYZ color 38.5659, 70.3907, 22.3806.

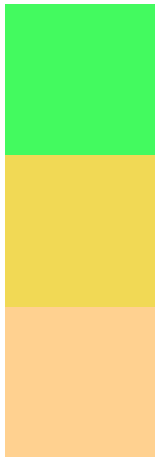


This preview shows how white text looks on a background with the XYZ color 38.5659, 70.3907,

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

38.5659, 70.3907, 22.3806

Protanopia

62.7282, 68.9824, 18.6031

Deuteranopia

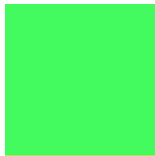
69.0745, 68.8745, 36.0391



Tritanopia

54.4886, 69.7194, 103.5138

Trichromacy



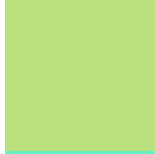
Original Color

38.5659, 70.3907, 22.3806



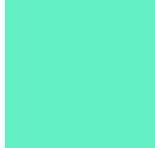
Protanomaly

48.1826, 66.2249, 19.6944



Deuteranomaly

50.9151, 65.3825, 29.6752



Tritanomaly

46.2695, 68.9583, 63.0962

Monochromacy



Original Color

38.5659, 70.3907, 22.3806



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.4194, 50.7271, 35.8361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5659, 70.3907, 22.3806 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(67, 250, 95)` looks like.

```
.text, #text, p{  
    color:rgb(67, 250, 95)  
}
```

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(67, 250, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 250, 95) }
```

Border

The CSS property to change the border of an element to XYZ 38.5659, 70.3907, 22.3806 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(67, 250, 95) }
```


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

```
.border{ border-color:rgb(67, 250, 95) }
```

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

Here you see how a box with a 4 pixel rgb(67, 250, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 250, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 250, 95);  
box-shadow:4px 4px 4px 4px rgb(67, 250,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5659, 70.3907, 22.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 250, 95) }
```

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

```
.background{ background-color: rgb(67, 250,  
95) }
```

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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