

Converting Colors

XYZ(38.5087, 72.9161, 12.9930)

Have a look what the booklet for
XYZ(38.5087, 72.9161, 12.9930)
contains.

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Color

**XYZ(38.5450, 72.9342,
13.0235)**

Conversions

Conversions Part 1

Format	Color
Hex	47FF1A
RGB	71, 255, 26
RGB Percent	28%, 100%, 10%
CMY	0.7216, 0.0000, 0.8980
CMYK	0.72, 0.00, 0.90, 0.00
HSL	108°, 100%, 55%
HSV	108°, 90%, 100%
XYZ	38.5450, 72.9342, 13.0235
YIQ	173.8780, -36.1550, -110.2270

Conversions

Conversions Part 2

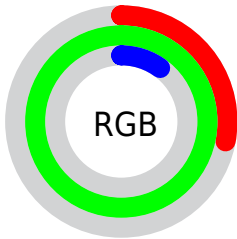
Format	Color
RYB	26, 255, 210
Decimal	4718362
CIELab	88.42, -79.98, 81.49
CIELCh	88, 114.176, 134.464
Yxy	72.9342, 0.3096, 0.5858
Android (android.graphics.Color)	4282908442 (0xFF47FF1A)
YUV	173.8780, -72.9039, -90.2240
Hunter-Lab	85.4015, -68.8887, 50.7395

Details

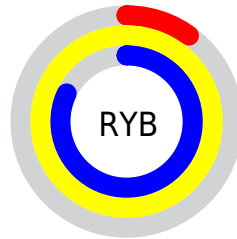
The XYZ color **38.5450, 72.9342, 13.0235** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **45.0039, 21.6643, 96.4174**, and the grayscale version is **40.5466, 42.6582, 46.4548**.

A 20% lighter version of the original color is **49.7373, 78.4598, 24.5794**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.1035, 72.2123, 11.9977**, and if you desaturate by 10%, it is **40.7320, 74.0128, 15.3315**.

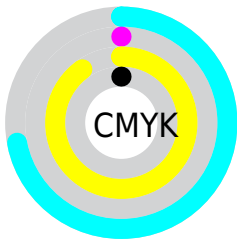
Distribution



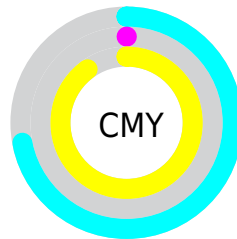
- Red (28%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (82%)



- Cyan (72%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5450, 72.9342, 13.0235 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 38.5450, 72.9342, 13.0235 by changing the saturation by 10% instead.


 38.5450, 72.9342,
13.0235


 38.5450, 72.9342,
13.0235


331.1927,
470.7867, 222.2813


 26.5851, 53.9222,
7.3138


 72.2412, 123.3838,
32.0378

 17.3968, 38.5394,
3.5777


 94.7083, 155.5901,
46.1795


 10.6149, 26.4016,
1.3967


 121.4084,
192.9634, 63.9689

 5.8739, 17.1243,
0.1391

 152.7070,
235.8879, 85.8247

 2.8085, 10.3232,
0.0000

 188.9693,
284.7481, 112.1652

 1.0533, 5.6138,
0.0000

 230.5608,

 0.0000, 2.6117,

339.9284, 143.4092

0.0000

277.8468,
401.8131, 179.9750

■ 0.0000, 0.9325,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.5450, 72.9342,
13.0235

■ 38.5450, 72.9342,
13.0235

■ 37.1035, 72.2123,
11.9977

■ 40.7320, 74.0128,
15.3315

■ 37.0799, 72.2004,
11.9818

■ 43.7800, 75.4996,
19.2903

■ 47.7739, 77.4334,
25.1342

■ 52.7875, 79.8478,
33.0589

■ 58.8870, 82.7732,
43.2358

■ 66.1328, 86.2376,
55.8184

■ 74.5806, 90.2665,
70.9466

■ 84.2826, 94.8840,
88.7499

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



56.9620, 72.9342, 4.5633



38.5450, 72.9342, 13.0235



29.9033, 72.9342, 45.4282

Triad

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



38.5450, 72.9342, 13.0235



56.1292, 72.9342, 332.0539



133.9836, 72.9342, 47.3370

Complementary

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



38.5450, 72.9342, 13.0235



45.0039, 21.6643, 96.4174

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.



133.5874, 72.9342, 127.1472



38.5450, 72.9342, 13.0235



83.3514, 72.9342, 333.9574

Square

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



38.5450, 72.9342, 13.0235



38.0747, 72.9342, 239.2256



113.2318, 72.9342, 243.4214



114.2031, 72.9342, 13.6319

Rectangle

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



38.5450, 72.9342, 13.0235



28.9054, 72.9342, 91.7623



113.2318, 72.9342, 243.4214



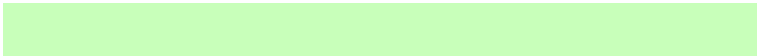
136.3435, 72.9342, 68.2245

Sweetspot

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



38.5452, 72.9343, 13.0246



68.3715, 87.3062, 59.7862



64.2772, 67.0358, 10.5299



14.0519, 18.4091, 11.7654



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.



38.5452, 72.9343, 13.0246



37.0799, 72.2004, 11.9818



38.2391, 72.5609, 22.7487



18.1046, 20.3398, 19.1161



19.4689, 37.7747, 6.2651



1.9784, 3.7206, 0.6139

Inverse Universe

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



45.0039, 21.6643, 96.4174



43.2017, 20.1862, 96.2271



50.5053, 25.5579, 48.8963



18.4225, 18.1095, 22.7745



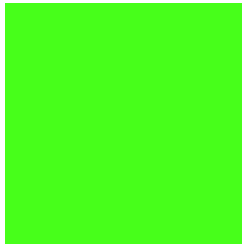
22.6974, 10.6114, 50.2865



2.2950, 1.0771, 4.9002

Previews

White Background



This preview shows how the XYZ color 38.5450, 72.9342, 13.0235 looks on a white background.

Color Contrast Check

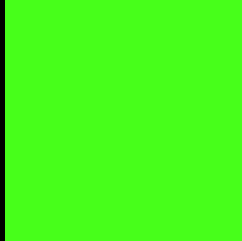
Large Text (above 18pt) WCAG AA × Fail

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 38.5450, 72.9342, 13.0235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

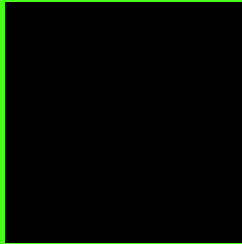
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5450, 72.9342, 13.0235

Background



This preview shows how black text looks on a background with the XYZ color 38.5450, 72.9342, 13.0235.



This preview shows how white text looks on a background with the XYZ color 38.5450, 72.9342,

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

38.5450, 72.9342, 13.0235

Protanopia

64.3429, 71.1582, 10.5447

Deuteranopia

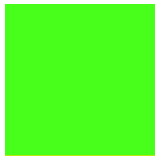
70.6202, 71.0829, 39.2764



Tritanopia

57.2514, 71.9567, 105.4793

Trichromacy



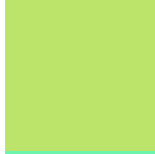
Original Color

38.5450, 72.9342, 13.0235



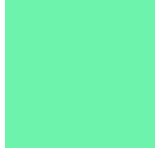
Protanomaly

48.9853, 68.4999, 11.0555



Deuteranomaly

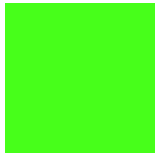
51.0840, 67.2188, 23.9178



Tritanomaly

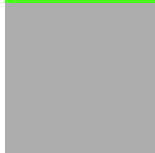
45.8037, 70.3310, 50.1909

Monochromacy



Original Color

38.5450, 72.9342, 13.0235



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

35.0626, 49.3863, 25.4538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5450, 72.9342, 13.0235 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(71, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 26)  
}
```

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(71, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 26) }
```

Border

The CSS property to change the border of an element to XYZ 38.5450, 72.9342, 13.0235 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(71, 255, 26) }
```


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

```
.border{ border-color:rgb(71, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5450, 72.9342, 13.0235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 26) }
```

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

```
.background{ background-color: rgb(71, 255,  
26) }
```

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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