

Converting Colors

XYZ(38.0588, 72.0667, 21.6661)

Have a look what the booklet for
XYZ(38.0588, 72.0667, 21.6661)
contains.

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Color

**XYZ(38.0148, 71.9969,
21.5661)**

Conversions

Conversions Part 1

Format	Color
Hex	24FE5A
RGB	36, 254, 90
RGB Percent	14%, 100%, 35%
CMY	0.8588, 0.0039, 0.6470
CMYK	0.86, 0.00, 0.65, 0.00
HSL	135°, 99%, 57%
HSV	135°, 86%, 100%
XYZ	38.0148, 71.9969, 21.5661
YIQ	170.1220, -77.2840, -97.2200

Conversions

Conversions Part 2

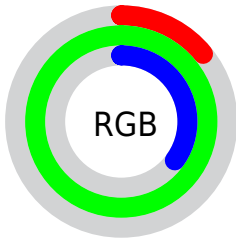
Format	Color
RYB	36, 211, 254
Decimal	2424410
CIELab	87.97, -79.74, 62.67
CIELCh	88, 101.424, 141.836
Yxy	71.9969, 0.2889, 0.5472
Android (android.graphics.Color)	4280614490 (0xFF24FE5A)
YUV	170.1220, -39.5001, -117.6250
Hunter-Lab	84.8510, -68.5180, 44.3263

Details

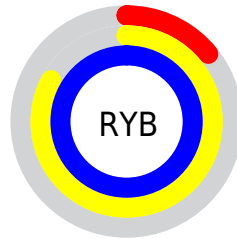
The XYZ color **38.0148, 71.9969, 21.5661** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **51.9310, 26.5036, 57.0223**, and the grayscale version is **38.4894, 40.4938, 44.0978**.

A 20% lighter version of the original color is **49.4058, 77.9553, 39.6371**, and **19.9495, 39.5637, 7.6837** is the 20% darker color. If you saturate the color by 10%, you get **36.7101, 71.4086, 17.7924**, and if you desaturate by 10%, it is **40.1590, 72.9980, 26.4735**.

Distribution



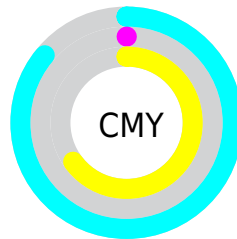
- Red (14%)
- Green (100%)
- Blue (35%)



- Red (14%)
- Yellow (83%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0148, 71.9969, 21.5661 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 38.0148, 71.9969, 21.5661 by changing the saturation by 10% instead.


 38.0148, 71.9969,
21.5661


 38.0148, 71.9969,
21.5661


328.9632,
467.5308, 273.1511

 26.1714, 53.1561,
13.3432


 71.4346, 122.0521,
46.9208


 17.0853, 37.9274,
7.5318


 93.7417, 154.0354,
64.8896

 10.3910, 25.9264,
3.7134

 120.2675,
191.1683, 86.9441

 5.7232, 16.7686,
1.4695

 151.3772,
233.8352, 113.5028

 2.7166, 10.0696,
0.1950

187.4363,
282.4205, 144.9844

 1.0057, 5.4451,
0.0000

228.8101,

 0.0000, 2.5107,

337.3086, 181.8072

0.0000

275.8639,
398.8839, 224.3899

■ 0.0000, 0.8820,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0148, 71.9969,
21.5661

■ 38.0148, 71.9969,
21.5661

■ 36.7101, 71.4086,
17.7924


■ 40.1590, 72.9980,
26.4735


■ 36.3383, 71.2445,
16.5276


■ 43.2661, 74.4676,
32.5920


■ 47.4435, 76.4615,
39.9977

■ 52.7821, 79.0252,
48.7589

 59.3629, 82.1993,
58.9391

 67.2596, 86.0203,
70.5978

 76.5400, 90.5221,
83.7908

 87.2671, 95.7361,
98.5712

94.7333, 99.3665,
108.7944

Harmonies

Analogous

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



52.5630, 71.9969, 8.3901



38.0148, 71.9969, 21.5661



31.9732, 71.9969, 60.9739

Triad

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



38.0148, 71.9969, 21.5661



62.0427, 71.9969, 297.6536



121.2553, 71.9969, 38.5839

Complementary

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



38.0148, 71.9969, 21.5661



51.9310, 26.5036, 57.0223

Split Complementary

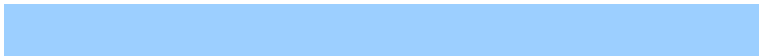
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



125.4957, 71.9969, 98.8475



38.0148, 71.9969, 21.5661



87.2084, 71.9969, 278.1420

Square

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



38.0148, 71.9969, 21.5661



43.5488, 71.9969, 236.4593



111.8481, 71.9969, 192.7126



101.3430, 71.9969, 13.4112

Rectangle

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



38.0148, 71.9969, 21.5661



32.2855, 71.9969, 108.9758



111.8481, 71.9969, 192.7126



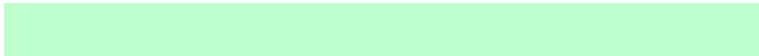
124.7227, 71.9969, 54.1440

Sweetspot

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



38.0165, 71.9999, 21.5677



67.7063, 86.7143, 71.0051



60.4276, 83.7296, 14.6457



13.8698, 18.2591, 14.2908



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.



38.0165, 71.9999, 21.5677



36.6619, 71.8808, 16.6696



46.1199, 75.2412, 64.2394



17.9561, 20.2420, 20.0717



19.2061, 37.5790, 8.9706



1.9113, 3.6755, 1.0908

Inverse Universe

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



51.9310, 26.5036, 57.0223



50.7357, 25.0583, 51.9336



43.5321, 23.1441, 12.7944



18.5891, 18.2189, 21.7191



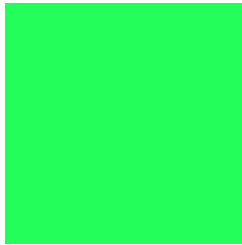
26.5731, 13.1185, 27.4663



2.6308, 1.2947, 2.9030

Previews

White Background



This preview shows how the XYZ color 38.0148, 71.9969, 21.5661 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 38.0148, 71.9969, 21.5661 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 38.0148, 71.9969, 21.5661

Background



This preview shows how black text looks on a background with the XYZ color 38.0148, 71.9969, 21.5661.

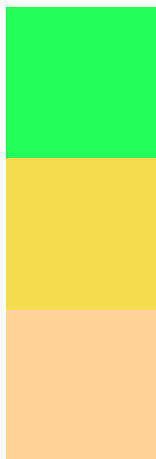


This preview shows how white text looks on a background with the XYZ color 38.0148, 71.9969,

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

38.0148, 71.9969, 21.5661

Protanopia

64.0877, 70.4753, 17.8147

Deuteranopia

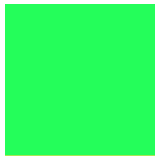
70.1202, 70.0829, 39.1098



Tritanopia

55.6703, 71.5703, 105.4881

Trichromacy



Original Color

38.0148, 71.9969, 21.5661



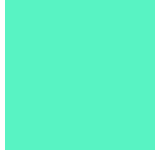
Protanomaly

46.6053, 66.6781, 18.8013



Deuteranomaly

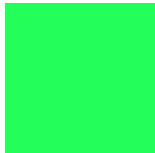
49.1107, 65.6371, 30.8497



Tritanomaly

45.9254, 70.1160, 62.7430

Monochromacy



Original Color

38.0148, 71.9969, 21.5661



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

33.5795, 47.7613, 32.6483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0148, 71.9969, 21.5661 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(36, 254, 90)` looks like.

```
.text, #text, p{  
    color:rgb(36, 254, 90)  
}
```

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(36, 254, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 254, 90) }
```

Border

The CSS property to change the border of an element to XYZ 38.0148, 71.9969, 21.5661 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(36, 254, 90) }
```


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

```
.border{ border-color:rgb(36, 254, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 254, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 254, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 254, 90);  
box-shadow:4px 4px 4px 4px rgb(36, 254,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0148, 71.9969, 21.5661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 254, 90) }
```

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

```
.background{ background-color: rgb(36, 254,  
90) }
```

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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