

Converting Colors

XYZ(35.9272, 70.2939, 16.7867)

Have a look what the booklet for
XYZ(35.9272, 70.2939, 16.7867)
contains.

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Color

**XYZ(35.7938, 70.0142,
16.7818)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC42
RGB	0, 252, 66
RGB Percent	0%, 99%, 26%
CMY	1.0000, 0.0117, 0.7411
CMYK	1.00, 0.00, 0.74, 0.01
HSL	136°, 100%, 49%
HSV	136°, 100%, 99%
XYZ	35.7938, 70.0142, 16.7818
YIQ	155.4480, -90.4860, -111.2700

Conversions

Conversions Part 2

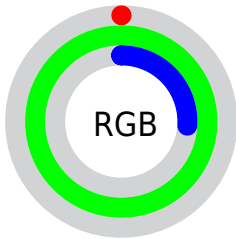
Format	Color
RYB	0, 200, 252
Decimal	64578
CIELab	87.00, -82.91, 70.36
CIELCh	87, 108.742, 139.681
Yxy	70.0142, 0.2920, 0.5711
Android (android.graphics.Color)	4278254658 (0xFF00FC42)
YUV	155.4480, -44.0979, -136.3279
Hunter-Lab	83.6745, -70.0726, 46.6809

Details

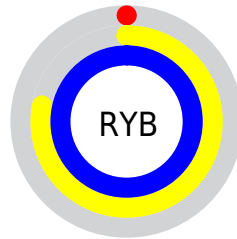
The XYZ color **35.7938, 70.0142, 16.7818** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **49.0098, 24.2417, 48.5518**, and the grayscale version is **31.5750, 33.2193, 36.1758**.

A 20% lighter version of the original color is **46.7978, 76.7826, 31.7561**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **35.7953, 70.0170, 16.7828**, and if you desaturate by 10%, it is **36.8419, 70.4826, 20.1755**.

Distribution



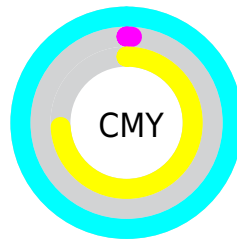
- Red (0%)
- Green (99%)
- Blue (26%)



- Red (0%)
- Yellow (78%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7938, 70.0142, 16.7818 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 35.7938, 70.0142, 16.7818 by changing the saturation by 10% instead.


 35.7938, 70.0142,
16.7818


 35.7938, 70.0142,
16.7818


319.5054,
460.5999, 245.9130

 24.4444, 51.5381,
9.9187


 68.0396, 119.2290,
38.7357

 15.7901, 36.6370,
5.2402


 89.6667, 150.7365,
54.6637

 9.4656, 24.9266,
2.3277


 115.4504,
187.3566, 74.4503

 5.1057, 16.0224,
0.7467

 145.7561,
229.4737, 98.5142

 2.3448, 9.5400,
0.0000

 180.9491,
277.4722, 127.2739

 0.8174, 5.0950,
0.0000

221.3947,

 0.0000, 2.3031,

331.7364, 161.1479

0.0000

267.4583,
392.6509, 200.5548

■ 0.0000, 0.7754,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7938, 70.0142,
16.7818

■ 35.7938, 70.0142,
16.7818

■ 35.7953, 70.0170,
16.7828

■ 36.8419, 70.4826,
20.1755

■ 38.6059, 71.2955,
24.6133

■ 41.2621, 72.5444,
30.1776

■ 44.9208, 74.2847,
36.9396

■ 49.6758, 76.5633,
44.9644

■ 55.6095, 79.4215,
54.3122

■ 62.7963, 82.8964,
65.0396

■ 71.3043, 87.0221,
77.1995

■ 81.1966, 91.8300,
90.8423

Harmonies

Analogous

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



51.4000, 70.0142, 5.7886



35.7938, 70.0142, 16.7818



29.1014, 70.0142, 53.7994

Triad

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



35.7938, 70.0142, 16.7818



58.1661, 70.0142, 313.6644



124.0205, 70.0142, 38.1291

Complementary

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



35.7938, 70.0142, 16.7818



49.0098, 24.2417, 48.5518

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.



127.1748, 70.0142, 104.1707



35.7938, 70.0142, 16.7818



84.4094, 70.0142, 298.7195

Square

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



35.7938, 70.0142, 16.7818



39.6572, 70.0142, 240.6081



111.2230, 70.0142, 207.4835



103.4636, 70.0142, 11.5525

Rectangle

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



35.7938, 70.0142, 16.7818



29.0469, 70.0142, 102.2896



111.2230, 70.0142, 207.4835



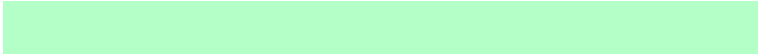
127.3206, 70.0142, 55.0268

Sweetspot

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



35.7955, 70.0171, 16.7834



64.4901, 85.1462, 66.7869



55.7993, 80.4430, 12.5863



13.1025, 17.8856, 13.2626



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.



35.7955, 70.0171, 16.7834



36.7668, 71.9227, 17.2216



43.9977, 73.2980, 59.9758



17.2040, 19.3839, 19.2748



18.6965, 36.4916, 9.0109



1.7732, 3.3964, 1.0535

Inverse Universe

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



49.0098, 24.2417, 48.5518



50.3400, 24.9000, 49.8499



41.0439, 21.0553, 6.6042



17.7875, 17.4424, 20.7369



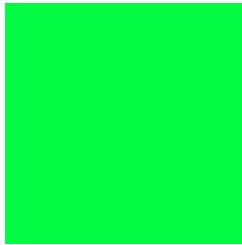
25.5924, 12.6527, 25.6257



2.4138, 1.1892, 2.6022

Previews

White Background



This preview shows how the XYZ color 35.7938, 70.0142, 16.7818 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 35.7938, 70.0142, 16.7818 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

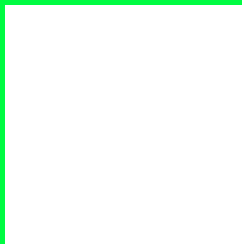
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7938, 70.0142, 16.7818

Background



This preview shows how black text looks on a background with the XYZ color 35.7938, 70.0142, 16.7818.



This preview shows how white text looks on a background with the XYZ color 35.7938, 70.0142,

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

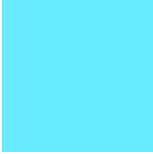
35.7938, 70.0142, 16.7818

Protanopia

61.9123, 68.2844, 13.7880

Deuteranopia

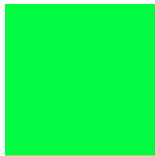
68.3833, 68.2067, 33.6058



Tritanopia

53.3066, 69.5155, 104.3742

Trichromacy



Original Color

35.7938, 70.0142, 16.7818



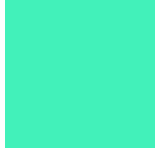
Protanomaly

42.1613, 63.2349, 14.2584



Deuteranomaly

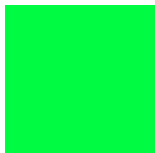
44.4806, 62.1625, 24.9834



Tritanomaly

42.5650, 67.6140, 57.2618

Monochromacy



Original Color

35.7938, 70.0142, 16.7818



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.1342, 40.9096, 25.2051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7938, 70.0142, 16.7818 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(0, 252, 66)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 66)  
}
```

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(0, 252, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 66) }
```

Border

The CSS property to change the border of an element to XYZ 35.7938, 70.0142, 16.7818 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(0, 252, 66) }
```


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

```
.border{ border-color:rgb(0, 252, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 66);  
box-shadow:4px 4px 4px 4px rgb(0, 252, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.7938, 70.0142, 16.7818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 66) }
```

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

```
.background{ background-color: rgb(0, 252,  
66) }
```

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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