

Converting Colors

XYZ(35.9926, 71.6399, 11.9327)

Have a look what the booklet for
XYZ(35.9926, 71.6399, 11.9327)
contains.

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Color

**XYZ(35.9912, 71.6392,
11.9308)**

Conversions

Conversions Part 1

Format	Color
Hex	11FF00
RGB	17, 255, 0
RGB Percent	7%, 100%, 0%
CMY	0.9333, 0.0000, 0.9998
CMYK	0.93, 0.00, 1.00, 0.00
HSL	116°, 100%, 50%
HSV	116°, 100%, 100%
XYZ	35.9912, 71.6392, 11.9308
YIQ	154.7680, -59.9930, -129.7610

Conversions

Conversions Part 2

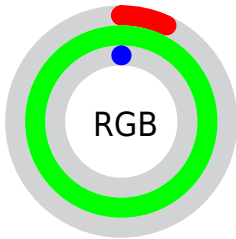
Format	Color
RYB	0, 255, 238
Decimal	1179392
CIELab	87.79, -85.66, 83.25
CIELCh	88, 119.448, 135.816
Yxy	71.6392, 0.3010, 0.5992
Android (android.graphics.Color)	4279369472 (0xFF11FF00)
YUV	154.7680, -76.3006, -120.8225
Hunter-Lab	84.6399, -72.2169, 50.8905

Details

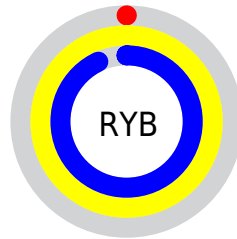
The XYZ color **35.9912, 71.6392, 11.9308** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **53.3227, 25.4044, 96.7009**, and the grayscale version is **31.4013, 33.0366, 35.9768**.

A 20% lighter version of the original color is **45.8601, 76.5037, 22.4748**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.9906, 71.6389, 11.9308**, and if you desaturate by 10%, it is **36.8480, 72.0600, 12.9173**.

Distribution



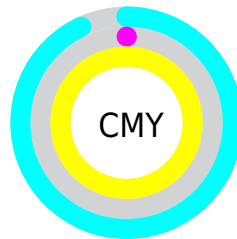
- Red (7%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (93%)



- Cyan (93%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9912, 71.6392, 11.9308 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 35.9912, 71.6392, 11.9308 by changing the saturation by 10% instead.


 35.9912, 71.6392,
11.9308


 35.9912, 71.6392,
11.9308


320.3540,
466.2848, 214.9083


 24.5975, 52.8640,
6.5746


 68.3424, 121.5434,
30.0315

 15.9045, 37.6942,
3.1231


 90.0307, 153.4412,
43.6131


 9.5471, 25.7454,
1.1578


 115.8811,
190.4821, 60.7736

 5.1596, 16.6333,
0.0000

 146.2591,
233.0503, 81.9315

 2.3769, 9.9734,
0.0000

 181.5301,
281.5302, 107.5054

 0.8336, 5.3813,
0.0000

 222.0593,

 0.0000, 2.4727,

336.3064, 137.9138

0.0000

268.2121,
397.7631, 173.5752

■ 0.0000, 0.8629,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9912, 71.6392,
11.9308

■ 35.9912, 71.6392,
11.9308


■ 35.9906, 71.6389,
11.9308


■ 36.8480, 72.0600,
12.9173


■ 38.5125, 72.8699,
15.1719


■ 41.1469, 74.1442,
19.0786


■ 44.8697, 75.9390,
24.8732

 49.7824, 78.3022,
32.7532

 55.9746, 81.2765,
42.8914

 63.5277, 84.9002,
55.4426

 72.5159, 89.2088,
70.5480

 83.0083, 94.2349,
88.3377

Harmonies

Analogous

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



54.2821, 71.6392, 3.5729



35.9912, 71.6392, 11.9308



27.7210, 71.6392, 45.6477

Triad

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



35.9912, 71.6392, 11.9308



55.5820, 71.6392, 348.5689



135.1985, 71.6392, 42.7075

Complementary

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



35.9912, 71.6392, 11.9308



53.3227, 25.4044, 96.7009

Split Complementary

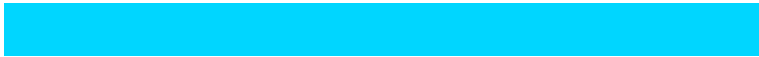
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



135.8345, 71.6392, 122.8781



35.9912, 71.6392, 11.9308



84.0630, 71.6392, 345.4552

Square

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



35.9912, 71.6392, 11.9308



36.7139, 71.6392, 252.1758



115.1664, 71.6392, 245.3619



113.6145, 71.6392, 11.0537

Rectangle

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



35.9912, 71.6392, 11.9308



26.9688, 71.6392, 94.9247



115.1664, 71.6392, 245.3619



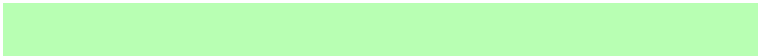
138.0364, 71.6392, 63.2220

Sweetspot

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



35.9914, 71.6393, 11.9319



63.5152, 84.8942, 55.4218



71.8155, 82.4107, 12.1229



12.8769, 17.8265, 10.6652



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.



35.9914, 71.6393, 11.9319



35.9906, 71.6389, 11.9308



38.6035, 72.6574, 26.8909



17.8834, 20.2258, 19.1057



18.8473, 37.4542, 6.2360



1.8724, 3.6660, 0.6089

Inverse Universe

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



53.3227, 25.4044, 96.7009



53.3214, 25.4031, 96.7007



46.3141, 23.2903, 28.6475



18.6663, 18.2352, 22.7859



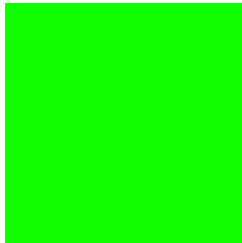
27.9125, 13.2999, 50.5306



2.7522, 1.3127, 4.9216

Previews

White Background



This preview shows how the XYZ color 35.9912, 71.6392, 11.9308 looks on a white background.

Color Contrast Check

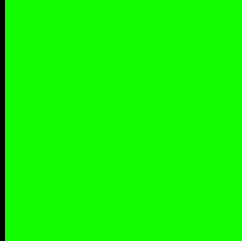
Large Text (above 18pt) WCAG AA × Fail

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 35.9912, 71.6392, 11.9308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

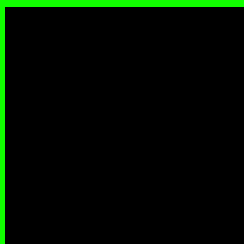
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

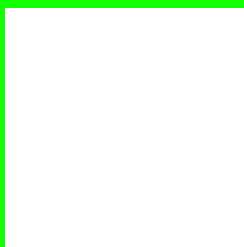
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9912, 71.6392, 11.9308

Background



This preview shows how black text looks on a background with the XYZ color 35.9912, 71.6392, 11.9308.



This preview shows how white text looks on a background with the XYZ color 35.9912, 71.6392,

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

35.9912, 71.6392, 11.9308

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

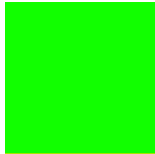
69.4922, 69.8317, 35.8028



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

35.9912, 71.6392, 11.9308



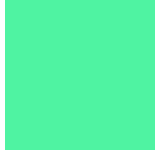
Protanomaly

43.6802, 64.9384, 10.2322



Deuteranomaly

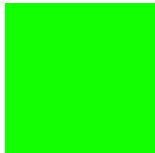
45.5059, 64.0183, 19.8559



Tritanomaly

41.7966, 68.3721, 45.1766

Monochromacy



Original Color

35.9912, 71.6392, 11.9308



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

26.7086, 41.1657, 18.3425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9912, 71.6392, 11.9308 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(17, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(17, 255, 0)  
}
```

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(17, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.9912, 71.6392, 11.9308 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(17, 255, 0) }
```


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

```
.border{ border-color:rgb(17, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(17, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9912, 71.6392, 11.9308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 255, 0) }
```

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

```
.background{ background-color: rgb(17, 255,  
0) }
```

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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