

Converting Colors

XYZ(35.7903, 71.3691, 11.8904)

Have a look what the booklet for
XYZ(35.7903, 71.3691, 11.8904)
contains.

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Color

**XYZ(35.8980, 71.5911,
11.9265)**

Conversions

Conversions Part 1

Format	Color
Hex	0BFF00
RGB	11, 255, 0
RGB Percent	4%, 100%, 0%
CMY	0.9569, 0.0000, 0.9998
CMYK	0.96, 0.00, 1.00, 0.00
HSL	117°, 100%, 50%
HSV	117°, 100%, 100%
XYZ	35.8980, 71.5911, 11.9265
YIQ	152.9740, -63.5690, -131.0330

Conversions

Conversions Part 2

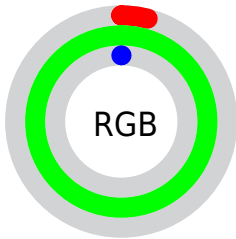
Format	Color
RYB	0, 255, 244
Decimal	786176
CIELab	87.77, -85.87, 83.22
CIELCh	88, 119.581, 135.897
Yxy	71.5911, 0.3006, 0.5995
Android (android.graphics.Color)	4278976256 (0xFF0BFF00)
YUV	152.9740, -75.4162, -124.5112
Hunter-Lab	84.6115, -72.3382, 50.8708

Details

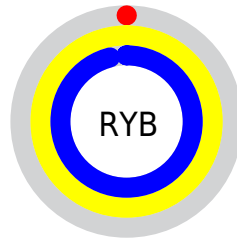
The XYZ color **35.8980, 71.5911, 11.9265** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **55.3728, 26.4612, 96.7968**, and the grayscale version is **30.6072, 32.2012, 35.0671**.

A 20% lighter version of the original color is **45.7178, 76.4303, 22.4682**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8975, 71.5909, 11.9264**, and if you desaturate by 10%, it is **36.6483, 71.9570, 12.9081**.

Distribution



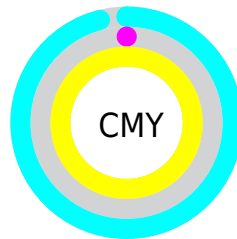
- Red (4%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (96%)



- Cyan (96%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8980, 71.5911, 11.9265 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 35.8980, 71.5911, 11.9265 by changing the saturation by 10% instead.


 35.8980, 71.5911,
11.9265


 35.8980, 71.5911,
11.9265


319.9535,
466.1171, 214.8787

 24.5252, 52.8247,
6.5717


 68.1995, 121.4750,
30.0236

 15.8505, 37.6629,
3.1214


 89.8589, 153.3613,
43.6029


 9.5086, 25.7211,
1.1569


 115.6778,
190.3897, 60.7609

 5.1341, 16.6151,
0.0000

 146.0217,
232.9446, 81.9160

 2.3617, 9.9605,
0.0000

 181.2559,
281.4104, 107.4868

 0.8260, 5.3728,
0.0000

 221.7456,

 0.0000, 2.4676,

336.1715, 137.8918

0.0000

267.8564,
397.6123, 173.5496

■ 0.0000, 0.8603,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8980, 71.5911,
11.9265

■ 35.8980, 71.5911,
11.9265

■ 35.8975, 71.5909,
11.9264

■ 36.6483, 71.9570,
12.9081

■ 38.2104, 72.7141,
15.1580

■ 40.7586, 73.9440,
19.0609

■ 44.4198, 75.7070,
24.8528

■ 49.3021, 78.0546,
32.7316

■ 55.5006, 81.0321,
42.8703

■ 63.1010, 84.6802,
55.4240

■ 72.1819, 89.0366,
70.5339

■ 82.8160, 94.1357,
88.3306

Harmonies

Analogous

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



54.1650, 71.5911, 3.5526



35.8980, 71.5911, 11.9265



27.6534, 71.5911, 45.7309

Triad

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



35.8980, 71.5911, 11.9265



55.5943, 71.5911, 349.0287



135.1851, 71.5911, 42.4993

Complementary

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



35.8980, 71.5911, 11.9265



55.3728, 26.4612, 96.7968

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.



135.8848, 71.5911, 122.5756



35.8980, 71.5911, 11.9265



84.1145, 71.5911, 345.6011

Square

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



35.8980, 71.5911, 11.9265



36.6922, 71.5911, 252.6687



115.2391, 71.5911, 245.1693



113.5319, 71.5911, 10.9643

Rectangle

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



35.8980, 71.5911, 11.9265



26.9159, 71.5911, 95.1350



115.2391, 71.5911, 245.1693



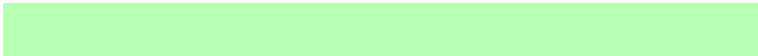
138.0469, 71.5911, 62.9710

Sweetspot

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



35.8982, 71.5912, 11.9276



63.0876, 84.6738, 55.4018



73.0674, 84.9145, 12.5403



12.7800, 17.7765, 10.6607



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.



35.8982, 71.5912, 11.9276



35.8975, 71.5909, 11.9264



38.8419, 72.7528, 28.1466



17.8437, 20.2054, 19.1039



18.7883, 37.4238, 6.2333



1.8536, 3.6563, 0.6080

Inverse Universe

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



55.3728, 26.4612, 96.7968



55.3717, 26.4600, 96.7966



45.9939, 23.1623, 26.9615



18.7109, 18.2582, 22.7880



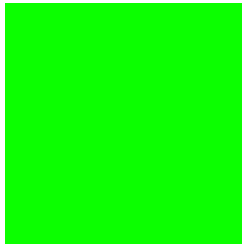
28.9669, 13.8435, 50.5799



2.8434, 1.3597, 4.9259

Previews

White Background



This preview shows how the XYZ color 35.8980, 71.5911, 11.9265 looks on a white background.

Color Contrast Check

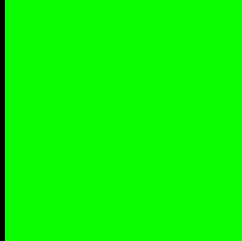
Large Text (above 18pt) WCAG AA × Fail

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 35.8980, 71.5911, 11.9265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

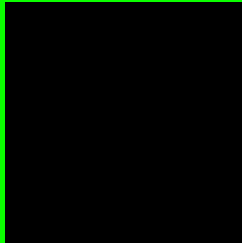
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

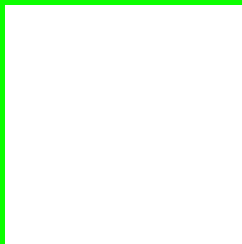
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8980, 71.5911, 11.9265

Background



This preview shows how black text looks on a background with the XYZ color 35.8980, 71.5911, 11.9265.



This preview shows how white text looks on a background with the XYZ color 35.8980, 71.5911,

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

35.8980, 71.5911, 11.9265

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

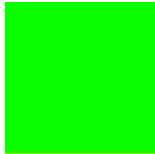
69.4922, 69.8317, 35.8028



Tritanopia

54.9849, 70.7883, 105.3732

Trichromacy



Original Color

35.8980, 71.5911, 11.9265



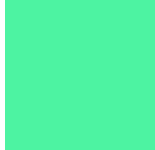
Protanomaly

43.2739, 64.7289, 10.2132



Deuteranomaly

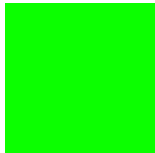
45.0833, 63.8005, 19.8361



Tritanomaly

41.6327, 68.2876, 45.1690

Monochromacy



Original Color

35.8980, 71.5911, 11.9265



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

25.9380, 40.4567, 17.7511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8980, 71.5911, 11.9265 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(11, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(11, 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(11, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8980, 71.5911, 11.9265 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(11, 255, 0) }
```


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

```
.border{ border-color:rgb(11, 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(11, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(11, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8980, 71.5911, 11.9265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 0) }
```

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

```
.background{ background-color: rgb(11, 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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