

Converting Colors

XYZ(35.7854, 71.5331, 11.9212)

Have a look what the booklet for
XYZ(35.7854, 71.5331, 11.9212)
contains.

XYZ(35.7850, 71.5329, 11.9212)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.7850, 71.5329,
11.9212)**

Conversions

Conversions Part 1

Format	Color
Hex	02FF00
RGB	2, 255, 0
RGB Percent	1%, 100%, 0%
CMY	0.9922, 0.0000, 0.9998
CMYK	0.99, 0.00, 1.00, 0.00
HSL	120°, 100%, 50%
HSV	120°, 100%, 100%
XYZ	35.7850, 71.5329, 11.9212
YIQ	150.2830, -68.9330, -132.9410

Conversions

Conversions Part 2

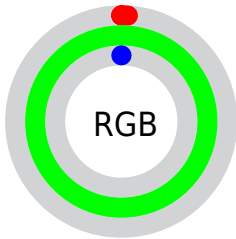
Format	Color
RYB	0, 255, 253
Decimal	196352
CIELab	87.74, -86.13, 83.19
CIELCh	88, 119.743, 135.994
Yxy	71.5329, 0.3001, 0.5999
Android (android.graphics.Color)	4278386432 (0xFF02FF00)
YUV	150.2830, -74.0895, -130.0442
Hunter-Lab	84.5771, -72.4857, 50.8470

Details

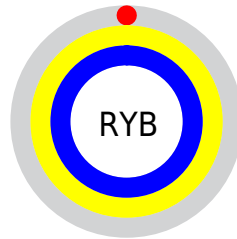
The XYZ color **35.7850, 71.5329, 11.9212** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **58.5745, 28.1118, 96.9466**, and the grayscale version is **29.4378, 30.9709, 33.7273**.

A 20% lighter version of the original color is **45.4375, 76.2858, 22.4550**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.7845, 71.5326, 11.9211**, and if you desaturate by 10%, it is **36.4013, 71.8297, 12.8965**.

Distribution



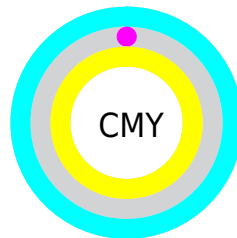
- Red (1%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (99%)



- Cyan (99%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7850, 71.5329, 11.9212 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 35.7850, 71.5329, 11.9212 by changing the saturation by 10% instead.


 35.7850, 71.5329,
11.9212


 35.7850, 71.5329,
11.9212


319.4675,
465.9142, 214.8423


 24.4375, 52.7772,
6.5682


 68.0261, 121.3922,
30.0138

 15.7850, 37.6249,
3.1192


 89.6505, 153.2646,
43.5903


 9.4620, 25.6917,
1.1558


 115.4312,
190.2780, 60.7452

 5.1033, 16.5932,
0.0000

 145.7337,
232.8168, 81.8968

 2.3434, 9.9449,
0.0000

 180.9231,
281.2655, 107.4638

 0.8167, 5.3624,
0.0000

 221.3650,

 0.0000, 2.4614,

336.0083, 137.8647

0.0000

267.4247,
397.4297, 173.5180

■ 0.0000, 0.8572,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7850, 71.5329,
11.9212

■ 35.7850, 71.5329,
11.9212

■ 35.7845, 71.5326,
11.9211

■ 36.4013, 71.8297,
12.8965

■ 37.8059, 72.5056,
15.1390

■ 40.2178, 73.6652,
19.0355

■ 43.7783, 75.3763,
24.8226

■ 48.6063, 77.6959,
32.6988

■ 54.8057, 80.6738,
42.8375

■ 62.4700, 84.3549,
55.3940

■ 71.6841, 88.7799,
70.5101

■ 82.5267, 93.9866,
88.3165

Harmonies

Analogous

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



54.0232, 71.5329, 3.5280



35.7850, 71.5329, 11.9212



27.5714, 71.5329, 45.8321

Triad

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



35.7850, 71.5329, 11.9212



55.6093, 71.5329, 349.5905



135.1694, 71.5329, 42.2474

Complementary

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



35.7850, 71.5329, 11.9212



58.5745, 28.1118, 96.9466

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.



135.9466, 71.5329, 122.2094



35.7850, 71.5329, 11.9212



84.1774, 71.5329, 345.7810

Square

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



35.7850, 71.5329, 11.9212



36.6660, 71.5329, 253.2700



115.3281, 71.5329, 244.9370



113.4320, 71.5329, 10.8561

Rectangle

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



35.7850, 71.5329, 11.9212



26.8518, 71.5329, 95.3912



115.3281, 71.5329, 244.9370



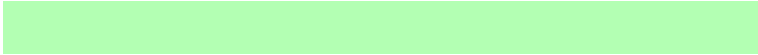
138.0605, 71.5329, 62.6671

Sweetspot

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



35.7852, 71.5330, 11.9223



62.4567, 84.3485, 55.3723



75.6596, 90.0988, 13.4043



12.6374, 17.7030, 10.6540



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.



35.7852, 71.5330, 11.9223



35.7845, 71.5326, 11.9211



39.3526, 72.9571, 30.8359



17.7845, 20.1748, 19.1011



18.7037, 37.3802, 6.2293



1.8255, 3.6418, 0.6067

Inverse Universe

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



58.5745, 28.1118, 96.9466



58.5740, 28.1109, 96.9465



45.3895, 22.9205, 23.7790



18.7781, 18.2929, 22.7911



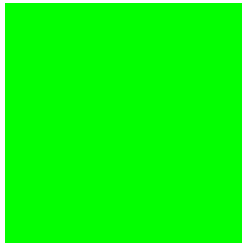
30.6125, 14.6918, 50.6569



2.9849, 1.4327, 4.9325

Previews

White Background



This preview shows how the XYZ color 35.7850, 71.5329, 11.9212 looks on a white background.

Color Contrast Check

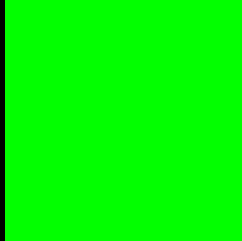
Large Text (above 18pt) WCAG AA × Fail

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 35.7850, 71.5329, 11.9212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

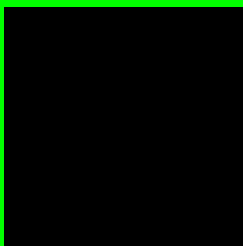
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

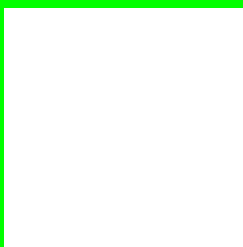
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7850, 71.5329, 11.9212

Background



This preview shows how black text looks on a background with the XYZ color 35.7850, 71.5329, 11.9212.



This preview shows how white text looks on a background with the XYZ color 35.7850, 71.5329, 11.9212.

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

35.7850, 71.5329, 11.9212

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

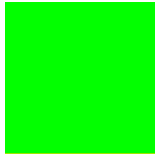
69.4922, 69.8317, 35.8028



Tritanopia

54.8555, 70.7216, 105.3672

Trichromacy



Original Color

35.7850, 71.5329, 11.9212



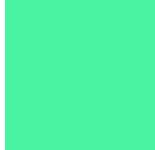
Protanomaly

42.4805, 64.3199, 10.1760



Deuteranomaly

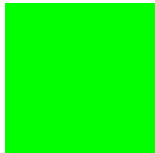
44.4617, 63.4800, 19.8070



Tritanomaly

41.3198, 68.1263, 45.1543

Monochromacy



Original Color

35.7850, 71.5329, 11.9212



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

24.8726, 39.2795, 17.0972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7850, 71.5329, 11.9212 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(2, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 255, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 35.7850, 71.5329, 11.9212 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(2, 255, 0) }
```


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

```
.border{ border-color:rgb(2, 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(2, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 255, 0); box-shadow:4px  
4px 4px 4px rgb(2, 255, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7850, 71.5329, 11.9212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 0) }
```

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

```
.background{ background-color: rgb(2, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor