

Converting Colors

XYZ(34.1599, 68.3112, 11.4130)

Have a look what the booklet for
XYZ(34.1599, 68.3112, 11.4130)
contains.

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Color

**XYZ(34.1911, 68.3734,
11.4241)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA01
RGB	0, 250, 1
RGB Percent	0%, 98%, 0%
CMY	1.0000, 0.0196, 0.9959
CMYK	1.00, 0.00, 1.00, 0.02
HSL	120°, 100%, 49%
HSV	120°, 100%, 98%
XYZ	34.1911, 68.3734, 11.4241
YIQ	146.8640, -69.0710, -130.4390

Conversions

Conversions Part 2

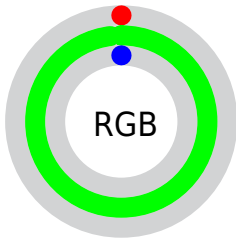
Format	Color
RYB	0, 249, 250
Decimal	64001
CIELab	86.19, -84.89, 81.86
CIELCh	86, 117.930, 136.038
Yxy	68.3734, 0.3000, 0.5998
Android (android.graphics.Color)	4278254081 (0xFF00FA01)
YUV	146.8640, -71.9110, -128.7997
Hunter-Lab	82.6882, -70.8956, 49.6903

Details

The XYZ color **34.1911, 68.3734, 11.4241** 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 **56.5195, 27.1623, 91.8588**, and the grayscale version is **27.9886, 29.4462, 32.0669**.

A 20% lighter version of the original color is **45.2561, 76.1973, 22.2198**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.1927, 68.3762, 11.4256**, and if you desaturate by 10%, it is **34.7737, 68.6549, 12.3925**.

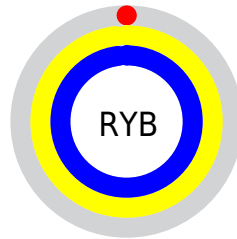
Distribution



Red (0%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (98%)

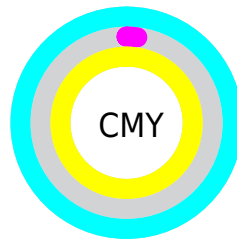


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (100%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1911, 68.3734, 11.4241 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 34.1911, 68.3734, 11.4241 by changing the saturation by 10% instead.


 34.1911, 68.3734,
11.4241


 34.1911, 68.3734,
11.4241


312.5543,
454.8179, 211.3953


 23.2040, 50.2016,
6.2351


 65.5731, 116.8862,
29.0903

 14.8658, 35.5736,
2.9175


 86.6986, 147.9959,
42.4046


 8.8109, 24.1051,
1.0526


 111.9345,
184.1870, 59.2645


 4.6742, 15.4116,
0.0000

 141.6458,
225.8440, 80.0883

 2.0902, 9.1087,
0.0000

 176.1982,
273.3511, 105.2948

 0.6839, 4.8122,
0.0000

 215.9568,

 0.0000, 2.1375,

327.0929, 135.3024

0.0000

261.2870,
387.4537, 170.5297

■ 0.0000, 0.6856,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1911, 68.3734,
11.4241

■ 34.1911, 68.3734,
11.4241


■ 34.1927, 68.3762,
11.4256


■ 34.7737, 68.6549,
12.3925


■ 36.0963, 69.2897,
14.5844


■ 38.3839, 70.3879,
18.3514


■ 41.7735, 72.0157,
23.9147

 46.3800, 74.2282,
31.4605

 52.3042, 77.0739,
41.1514

 59.6360, 80.5960,
53.1336

 68.4578, 84.8340,
67.5402

 78.8453, 89.8245,
84.4943

Harmonies

Analogous

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



51.6065, 68.3734, 3.3797



34.1911, 68.3734, 11.4241



26.3537, 68.3734, 43.8909

Triad

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



34.1911, 68.3734, 11.4241



53.1893, 68.3734, 334.1477



129.1661, 68.3734, 40.3135

Complementary

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



34.1911, 68.3734, 11.4241



56.5195, 27.1623, 91.8588

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.



129.9416, 68.3734, 116.6519



34.1911, 68.3734, 11.4241



80.5006, 68.3734, 330.3470

Square

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



34.1911, 68.3734, 11.4241



35.0703, 68.3734, 242.2120



110.2633, 68.3734, 233.8979



108.3714, 68.3734, 10.3609

Rectangle

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



34.1911, 68.3734, 11.4241



25.6735, 68.3734, 91.3050



110.2633, 68.3734, 233.8979



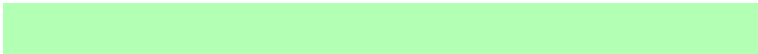
131.9396, 68.3734, 59.8033

Sweetspot

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



34.1927, 68.3762, 11.4256



62.3533, 84.2915, 55.5347



73.6129, 88.6988, 13.2408



12.6141, 17.6902, 10.6906



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.



34.1927, 68.3762, 11.4256



35.7658, 71.5223, 11.9506



37.8888, 69.8547, 30.8893



17.0204, 19.3104, 18.3078



18.1374, 36.2680, 6.0670



1.6808, 3.3594, 0.5671

Inverse Universe

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



56.5195, 27.1623, 91.8588



59.1199, 28.4120, 96.0845



43.1278, 21.8056, 21.3388



17.9898, 17.5233, 21.8021



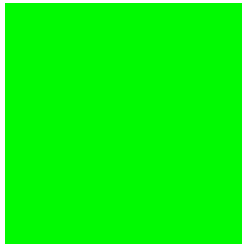
29.9800, 14.4077, 48.7305



2.7777, 1.3348, 4.5185

Previews

White Background



This preview shows how the XYZ color 34.1911, 68.3734, 11.4241 looks on a white background.

Color Contrast Check

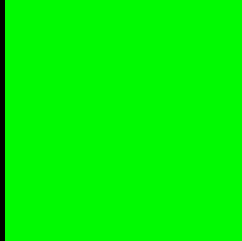
Large Text (above 18pt) WCAG AA × Fail

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 34.1911, 68.3734, 11.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

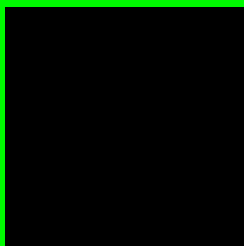
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1911, 68.3734, 11.4241

Background



This preview shows how black text looks on a background with the XYZ color 34.1911, 68.3734, 11.4241.



This preview shows how white text looks on a background with the XYZ color 34.1911, 68.3734,

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

34.1911, 68.3734, 11.4241

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

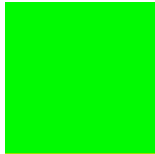
66.9494, 66.8578, 28.4450



Tritanopia

52.0949, 67.6815, 101.5849

Trichromacy



Original Color

34.1911, 68.3734, 11.4241



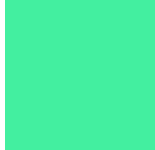
Protanomaly

40.6060, 61.7105, 9.7712



Deuteranomaly

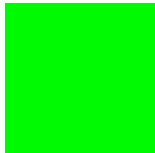
42.4329, 60.4884, 16.8361



Tritanomaly

39.5264, 65.4644, 43.8103

Monochromacy



Original Color

34.1911, 68.3734, 11.4241



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

23.7770, 37.4688, 16.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1911, 68.3734, 11.4241 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, 250, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 1)  
}
```

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, 250, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 1) }
```

Border

The CSS property to change the border of an element to XYZ 34.1911, 68.3734, 11.4241 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, 250, 1) }
```


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

```
.border{ border-color:rgb(0, 250, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 250, 1); box-shadow:4px  
4px 4px 4px rgb(0, 250, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1911, 68.3734, 11.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 1) }
```

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

```
.background{ background-color: rgb(0, 250,  
1) }
```

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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