

Converting Colors

XYZ(34.1667, 68.3139, 11.4488)

Have a look what the booklet for
XYZ(34.1667, 68.3139, 11.4488)
contains.

XYZ(34.1966, 68.3756, 11.4529)	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(34.1966, 68.3756,
11.4529)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA02
RGB	0, 250, 2
RGB Percent	0%, 98%, 1%
CMY	1.0000, 0.0196, 0.9920
CMYK	1.00, 0.00, 0.99, 0.02
HSL	120°, 100%, 49%
HSV	120°, 100%, 98%
XYZ	34.1966, 68.3756, 11.4529
YIQ	146.9780, -69.3920, -130.1280

Conversions

Conversions Part 2

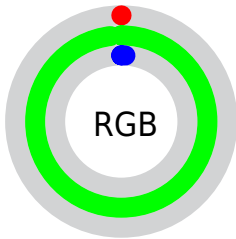
Format	Color
RYB	0, 248, 250
Decimal	64002
CIELab	86.19, -84.87, 81.79
CIELCh	86, 117.866, 136.060
Yxy	68.3756, 0.2999, 0.5997
Android (android.graphics.Color)	4278254082 (0xFF00FA02)
YUV	146.9780, -71.4742, -128.8997
Hunter-Lab	82.6895, -70.8873, 49.6707

Details

The XYZ color **34.1966, 68.3756, 11.4529** 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 **56.3647, 27.1004, 91.0432**, and the grayscale version is **28.0346, 29.4946, 32.1196**.

A 20% lighter version of the original color is **45.2995, 76.2146, 22.4486**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.1981, 68.3784, 11.4543**, and if you desaturate by 10%, it is **34.7839, 68.6590, 12.4461**.

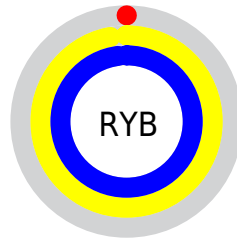
Distribution



Red (0%)

Green (98%)

Blue (1%)



Red (0%)

Yellow (97%)

Blue (98%)

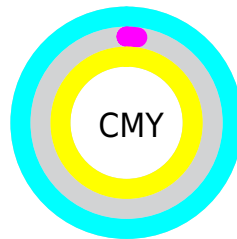


Cyan (100%)

Magenta (0%)

Yellow (99%)

Black (2%)



Cyan (100%)


Magenta (2%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1966, 68.3756, 11.4529 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 34.1966, 68.3756, 11.4529 by changing the saturation by 10% instead.


 34.1966, 68.3756,
11.4529


 34.1966, 68.3756,
11.4529


312.5783,
454.8256, 211.5966


 23.2083, 50.2034,
6.2543


 65.5815, 116.8893,
29.1440


 14.8689, 35.5750,
2.9291


 86.7089, 147.9996,
42.4736


 8.8132, 24.1061,
1.0585


 111.9466,
184.1913, 59.3507

 4.6756, 15.4124,
0.0000

 141.6600,
225.8489, 80.1938

 2.0910, 9.1093,
0.0000

 176.2146,
273.3567, 105.4214

 0.6843, 4.8126,
0.0000

 215.9756,

 0.0000, 2.1377,

327.0992, 135.4520

0.0000

261.3084,
387.4607, 170.7043

■ 0.0000, 0.6857,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1966, 68.3756,
11.4529

■ 34.1966, 68.3756,
11.4529


■ 34.1981, 68.3784,
11.4543


■ 34.7839, 68.6590,
12.4461


■ 36.1142, 69.2968,
14.6777


■ 38.4085, 70.3978,
18.4797


■ 41.8032, 72.0276,
24.0695

 46.4127, 74.2413,
31.6302

 52.3371, 77.0871,
41.3224

 59.6663, 80.6081,
53.2900

 68.4821, 84.8438,
67.6647

 78.8601, 89.8305,
84.5679

Harmonies

Analogous

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



51.5983, 68.3756, 3.3920



34.1966, 68.3756, 11.4529



26.3673, 68.3756, 43.9459

Triad

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



34.1966, 68.3756, 11.4529



53.2143, 68.3756, 333.9781



129.1176, 68.3756, 40.2930

Complementary

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



34.1966, 68.3756, 11.4529



56.3647, 27.1004, 91.0432

Split Complementary

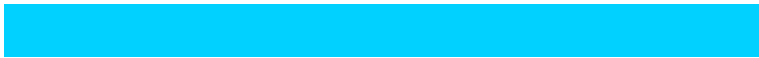
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



129.9091, 68.3756, 116.5530



34.1966, 68.3756, 11.4529



80.5164, 68.3756, 330.0998

Square

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



34.1966, 68.3756, 11.4529



35.0943, 68.3756, 242.1774



110.2573, 68.3756, 233.6929



108.3263, 68.3756, 10.3664

Rectangle

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



34.1966, 68.3756, 11.4529



25.6909, 68.3756, 91.3640



110.2573, 68.3756, 233.6929



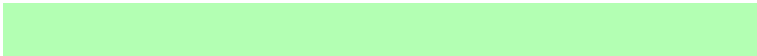
131.8944, 68.3756, 59.7630

Sweetspot

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



34.1982, 68.3784, 11.4544



62.3841, 84.3039, 55.6970



73.6129, 88.6988, 13.2409



12.6211, 17.6930, 10.7272



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.



34.1982, 68.3784, 11.4544



35.7714, 71.5245, 11.9798



37.8890, 69.8547, 30.8898



17.0232, 19.3115, 18.3225



18.1415, 36.2696, 6.0887



1.6822, 3.3600, 0.5742

Inverse Universe

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



56.3647, 27.1004, 91.0432



58.9578, 28.3471, 95.2305



43.1279, 21.8057, 21.3392



17.9866, 17.5220, 21.7854



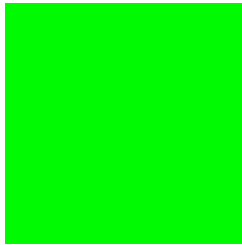
29.8992, 14.3754, 48.3052



2.7711, 1.3322, 4.4840

Previews

White Background



This preview shows how the XYZ color 34.1966, 68.3756, 11.4529 looks on a white background.

Color Contrast Check

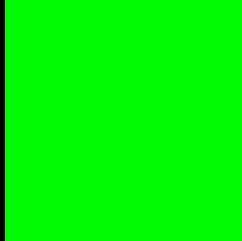
Large Text (above 18pt) WCAG AA × Fail

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 34.1966, 68.3756, 11.4529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

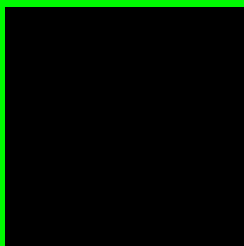
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1966, 68.3756, 11.4529

Background



This preview shows how black text looks on a background with the XYZ color 34.1966, 68.3756, 11.4529.



This preview shows how white text looks on a background with the XYZ color 34.1966, 68.3756,

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

34.1966, 68.3756, 11.4529

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

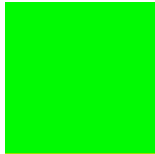
66.9494, 66.8578, 28.4450



Tritanopia

52.0949, 67.6815, 101.5849

Trichromacy



Original Color

34.1966, 68.3756, 11.4529



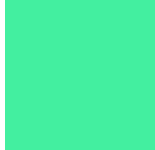
Protanomaly

40.6114, 61.7127, 9.8000



Deuteranomaly

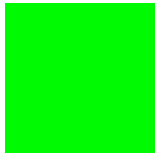
42.4695, 60.5031, 17.0293



Tritanomaly

39.5264, 65.4644, 43.8103

Monochromacy



Original Color

34.1966, 68.3756, 11.4529



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 34.1966, 68.3756, 11.4529 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 34.1966, 68.3756, 11.4529 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, 2) }
```


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

```
.border{ border-color:rgb(0, 250, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 250, 2); box-shadow:4px  
4px 4px 4px rgb(0, 250, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1966, 68.3756, 11.4529 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, 2) }
```

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

```
.background{ background-color: rgb(0, 250,  
2) }
```

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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