

Converting Colors

XYZ(34.2593, 68.3650, 11.3912)

Have a look what the booklet for
XYZ(34.2593, 68.3650, 11.3912)
contains.

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Color

**XYZ(34.2857, 68.4228,
11.3999)**

Conversions

Conversions Part 1

Format	Color
Hex	08FA00
RGB	8, 250, 0
RGB Percent	3%, 98%, 0%
CMY	0.9686, 0.0196, 0.9999
CMYK	0.97, 0.00, 1.00, 0.02
HSL	118°, 100%, 49%
HSV	118°, 100%, 98%
XYZ	34.2857, 68.4228, 11.3999
YIQ	149.1420, -63.9820, -129.0540

Conversions

Conversions Part 2

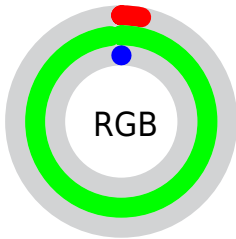
Format	Color
RYB	0, 250, 242
Decimal	588288
CIELab	86.22, -84.66, 81.97
CIELCh	86, 117.846, 135.925
Yxy	68.4228, 0.3005, 0.5996
Android (android.graphics.Color)	4278778368 (0xFF08FA00)
YUV	149.1420, -73.5270, -123.7815
Hunter-Lab	82.7181, -70.7704, 49.7315

Details

The XYZ color **34.2857, 68.4228, 11.3999** 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 **53.8901, 25.7886, 92.5835**, and the grayscale version is **28.9491, 30.4567, 33.1674**.

A 20% lighter version of the original color is **45.3941, 76.2684, 22.2263**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.2866, 68.4253, 11.4003**, and if you desaturate by 10%, it is **34.9648, 68.7546, 12.3500**.

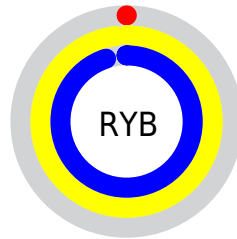
Distribution



Red (3%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (95%)

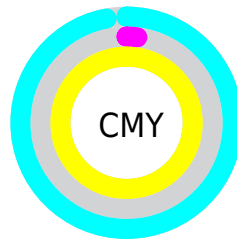


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (97%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2857, 68.4228, 11.3999 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 34.2857, 68.4228, 11.3999 by changing the saturation by 10% instead.


 34.2857, 68.4228,
11.3999


 34.2857, 68.4228,
11.3999


312.9676,
454.9926, 211.2259


 23.2771, 50.2418,
6.2189


 65.7191, 116.9568,
29.0452

 14.9201, 35.6055,
2.9077


 86.8745, 148.0785,
42.3466


 8.8493, 24.1297,
1.0477


 112.1430,
184.2827, 59.1919

 4.6993, 15.4299,
0.0000

 141.8898,
225.9535, 79.9997

 2.1049, 9.1216,
0.0000

 176.4803,
273.4756, 105.1884

 0.6919, 4.8206,
0.0000

 216.2799,

 0.0000, 2.1424,

327.2332, 135.1767

0.0000

261.6539,
387.6107, 170.3830

■ 0.0000, 0.6883,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.2857, 68.4228,
11.3999

■ 34.2857, 68.4228,
11.3999

■ 34.2866, 68.4253,
11.4003

■ 34.9648, 68.7546,
12.3500

■ 36.4172, 69.4571,
14.5092

■ 38.8183, 70.6146,
18.2477

■ 42.2931, 72.2869,
23.7904

■ 46.9474, 74.5243,
31.3258

■ 52.8744, 77.3713,
41.0188

■ 60.1580, 80.8682,
53.0171

■ 68.8749, 85.0514,
67.4556

■ 79.0962, 89.9549,
84.4585

Harmonies

Analogous

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



51.7404, 68.4228, 3.3892



34.2857, 68.4228, 11.3999



26.4128, 68.4228, 43.7459

Triad

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



34.2857, 68.4228, 11.3999



53.1509, 68.4228, 333.8204



129.2289, 68.4228, 40.5572

Complementary

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



34.2857, 68.4228, 11.3999



53.8901, 25.7886, 92.5835

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.



129.9197, 68.4228, 117.0760



34.2857, 68.4228, 11.3999



80.4289, 68.4228, 330.4363

Square

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



34.2857, 68.4228, 11.3999



35.0694, 68.4228, 241.7137



110.1906, 68.4228, 234.3101



108.5054, 68.4228, 10.4510

Rectangle

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



34.2857, 68.4228, 11.3999



25.7128, 68.4228, 91.0186



110.1906, 68.4228, 234.3101



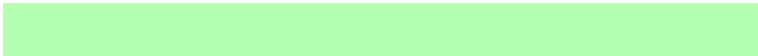
131.9731, 68.4228, 60.1130

Sweetspot

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



34.2873, 68.4256, 11.4014



62.8872, 84.5705, 55.3924



71.0808, 83.6342, 12.3978



12.7346, 17.7531, 10.6586



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.



34.2873, 68.4256, 11.4014



35.8616, 71.5724, 11.9248



37.3801, 69.6513, 28.2078



17.0685, 19.3355, 18.2949



18.2083, 36.3050, 6.0479



1.7038, 3.3715, 0.5610

Inverse Universe

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



53.8901, 25.7886, 92.5835



56.3659, 26.9726, 96.8432



43.6844, 22.0289, 24.2681



17.9352, 17.4947, 21.8168



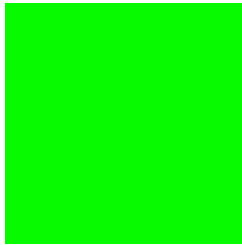
28.6080, 13.6907, 49.1083



2.6663, 1.2766, 4.5491

Previews

White Background



This preview shows how the XYZ color 34.2857, 68.4228, 11.3999 looks on a white background.

Color Contrast Check

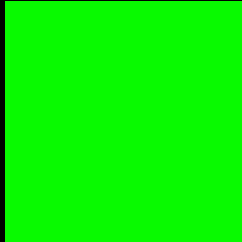
Large Text (above 18pt) WCAG AA × Fail

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 34.2857, 68.4228, 11.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

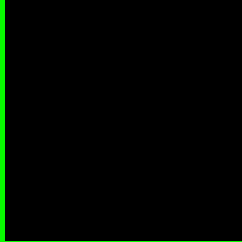
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

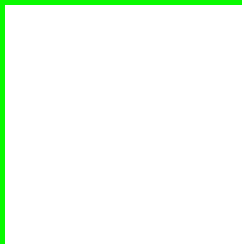
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2857, 68.4228, 11.3999

Background



This preview shows how black text looks on a background with the XYZ color 34.2857, 68.4228, 11.3999.



This preview shows how white text looks on a background with the XYZ color 34.2857, 68.4228,

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

34.2857, 68.4228, 11.3999

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

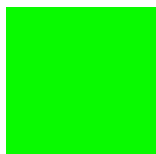
66.9494, 66.8578, 28.4450



Tritanopia

52.0949, 67.6815, 101.5849

Trichromacy



Original Color

34.2857, 68.4228, 11.3999



Protanomaly

41.1794, 62.0061, 9.7980



Deuteranomaly

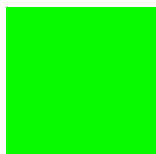
43.0496, 60.8064, 16.8650



Tritanomaly

39.7375, 65.5732, 43.8202

Monochromacy



Original Color

34.2857, 68.4228, 11.3999



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.6615, 38.5407, 16.9658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2857, 68.4228, 11.3999 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(8, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 250, 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(8, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2857, 68.4228, 11.3999 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(8, 250, 0) }
```


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

```
.border{ border-color:rgb(8, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(8, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 250, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 250, 0); box-shadow:4px  
4px 4px 4px rgb(8, 250, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2857, 68.4228, 11.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 250, 0) }
```

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

```
.background{ background-color: rgb(8, 250,  
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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