

Converting Colors

XYZ(34.9227, 68.6187, 15.4228)

Have a look what the booklet for
XYZ(34.9227, 68.6187, 15.4228)
contains.

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Color

**XYZ(34.9493, 68.6767,
15.4169)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA3A
RGB	0, 250, 58
RGB Percent	0%, 98%, 23%
CMY	1.0000, 0.0196, 0.7725
CMYK	1.00, 0.00, 0.77, 0.02
HSL	134°, 100%, 49%
HSV	134°, 100%, 98%
XYZ	34.9493, 68.6767, 15.4169
YIQ	153.3620, -87.3680, -112.7120

Conversions

Conversions Part 2

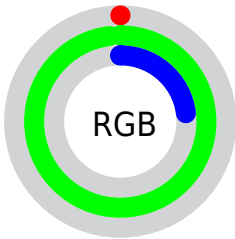
Format	Color
RYB	0, 203, 250
Decimal	64058
CIELab	86.34, -82.93, 72.21
CIELCh	86, 109.962, 138.951
Yxy	68.6767, 0.2936, 0.5769
Android (android.graphics.Color)	4278254138 (0xFF00FA3A)
YUV	153.3620, -47.0135, -134.4985
Hunter-Lab	82.8714, -69.7463, 46.9800

Details

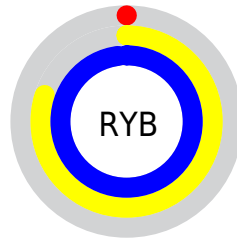
The XYZ color **34.9493, 68.6767, 15.4169** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **48.9400, 24.1304, 51.9454**, and the grayscale version is **30.6637, 32.2606, 35.1318**.

A 20% lighter version of the original color is **46.3661, 76.6099, 29.4830**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.9509, 68.6795, 15.4184**, and if you desaturate by 10%, it is **35.9348, 69.1194, 18.5071**.

Distribution



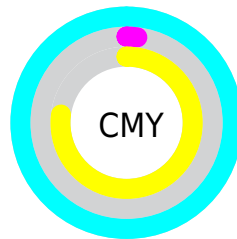
- Red (0%)
- Green (98%)
- Blue (23%)



- Red (0%)
- Yellow (80%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9493, 68.6767, 15.4169 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 34.9493, 68.6767, 15.4169 by changing the saturation by 10% instead.


 34.9493, 68.6767,
15.4169


 34.9493, 68.6767,
15.4169


315.8564,
455.8899, 237.6030

 23.7902, 50.4485,
8.9626


 66.7418, 117.3197,
36.3355

 15.3019, 35.7699,
4.6203


 88.1058, 148.5032,
51.6369


 9.1192, 24.2565,
1.9715

 113.6021,
184.7740, 70.7244

 4.8768, 15.5240,
0.5376

 143.5962,
226.5164, 94.0167

 2.2092, 9.1880,
0.0000

 178.4533,
274.1147, 121.9321

 0.7476, 4.8640,
0.0000

218.5388,

 0.0000, 2.1677,

327.9535, 154.8892

0.0000

264.2181,
388.4171, 193.3067

■ 0.0000, 0.7023,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.9493, 68.6767,
15.4169

■ 34.9493, 68.6767,
15.4169


■ 34.9509, 68.6795,
15.4184


■ 35.9348, 69.1194,
18.5071


■ 37.6326, 69.9042,
22.6744


■ 40.2183, 71.1217,
28.0116


■ 43.8023, 72.8272,
34.5989

 48.4781, 75.0674,
42.5091

 54.3280, 77.8834,
51.8094

 61.4264, 81.3121,
62.5625

 69.8414, 85.3874,
74.8271

 79.6360, 90.1407,
88.6587

Harmonies

Analogous

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



50.6713, 68.6767, 5.1765



34.9493, 68.6767, 15.4169



28.1316, 68.6767, 51.0573

Triad

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



34.9493, 68.6767, 15.4169



56.3598, 68.6767, 313.0111



123.1825, 68.6767, 37.9452

Complementary

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



34.9493, 68.6767, 15.4169



48.9400, 24.1304, 51.9454

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.



125.8603, 68.6767, 104.8969



34.9493, 68.6767, 15.4169



82.4455, 68.6767, 300.2386

Square

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



34.9493, 68.6767, 15.4169



38.1802, 68.6767, 237.5146



109.4414, 68.6767, 209.2795



102.8650, 68.6767, 11.1348

Rectangle

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



34.9493, 68.6767, 15.4169



27.9548, 68.6767, 98.7051



109.4414, 68.6767, 209.2795



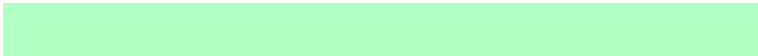
126.3417, 68.6767, 55.0673

Sweetspot

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



34.9509, 68.6795, 15.4185



64.2273, 85.0412, 65.4034



56.9095, 80.0879, 12.4591



13.0418, 17.8613, 12.9428



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.



34.9509, 68.6795, 15.4185



36.5538, 71.8375, 16.0999



42.3409, 71.6355, 54.3334



17.1824, 19.3752, 19.1609



18.5837, 36.4465, 8.4170



1.7601, 3.3911, 0.9844

Inverse Universe

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



48.9400, 24.1304, 51.9454



51.1848, 25.2379, 54.2986



40.5580, 20.7776, 7.8063



17.8107, 17.4516, 20.8586



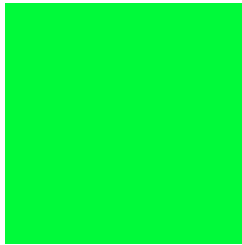
26.0163, 12.8222, 27.8580



2.4499, 1.2037, 2.7925

Previews

White Background



This preview shows how the XYZ color 34.9493, 68.6767, 15.4169 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 34.9493, 68.6767, 15.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

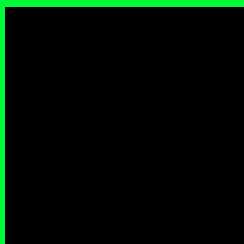
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9493, 68.6767, 15.4169

Background



This preview shows how black text looks on a background with the XYZ color 34.9493, 68.6767, 15.4169.



This preview shows how white text looks on a background with the XYZ color 34.9493, 68.6767,

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

34.9493, 68.6767, 15.4169

Protanopia

60.5361, 66.8402, 12.6166

Deuteranopia

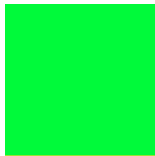
67.2738, 66.9876, 30.1531



Tritanopia

52.3031, 68.1897, 102.5007

Trichromacy



Original Color

34.9493, 68.6767, 15.4169



Protanomaly

41.2258, 61.9584, 13.0352



Deuteranomaly

43.4697, 60.9032, 22.2964



Tritanomaly

41.4538, 66.2275, 54.3144

Monochromacy



Original Color

34.9493, 68.6767, 15.4169



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.1830, 39.8158, 23.4448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9493, 68.6767, 15.4169 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 58) }
```

Border

The CSS property to change the border of an element to XYZ 34.9493, 68.6767, 15.4169 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, 58) }
```


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

```
.border{ border-color:rgb(0, 250, 58) }
```

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, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.9493, 68.6767, 15.4169 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, 58) }
```

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

```
.background{ background-color: rgb(0, 250,  
58) }
```

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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