

Converting Colors

XYZ(34.4566, 68.1348, 13.8855)

Have a look what the booklet for
XYZ(34.4566, 68.1348, 13.8855)
contains.

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Color

**XYZ(34.3688, 67.9486,
13.8887)**

Conversions

Conversions Part 1

Format	Color
Hex	00F92E
RGB	0, 249, 46
RGB Percent	0%, 98%, 18%
CMY	1.0000, 0.0235, 0.8196
CMYK	1.00, 0.00, 0.82, 0.02
HSL	131°, 100%, 49%
HSV	131°, 100%, 98%
XYZ	34.3688, 67.9486, 13.8887
YIQ	151.4070, -83.2410, -115.9210

Conversions

Conversions Part 2

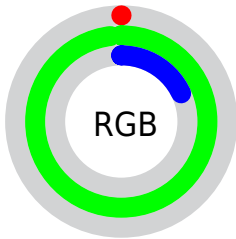
Format	Color
RYB	0, 210, 249
Decimal	63790
CIELab	85.98, -83.36, 75.15
CIELCh	86, 112.233, 137.963
Yxy	67.9486, 0.2958, 0.5847
Android (android.graphics.Color)	4278253870 (0xFF00F92E)
YUV	151.4070, -51.9657, -132.7839
Hunter-Lab	82.4309, -69.8303, 47.7120

Details

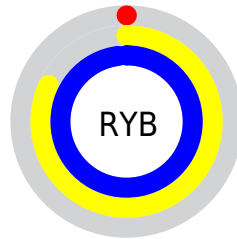
The XYZ color **34.3688, 67.9486, 13.8887** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **49.8475, 24.4522, 58.5897**, and the grayscale version is **29.8334, 31.3871, 34.1806**.

A 20% lighter version of the original color is **45.9106, 76.4277, 27.0841**, and **18.6308, 37.2616, 6.2103** is the 20% darker color. If you saturate the color by 10%, you get **34.3704, 67.9514, 13.8901**, and if you desaturate by 10%, it is **35.2680, 68.3565, 16.5375**.

Distribution



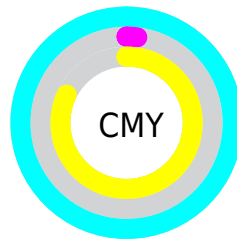
- Red (0%)
- Green (98%)
- Blue (18%)



- Red (0%)
- Yellow (82%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3688, 67.9486, 13.8887 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 34.3688, 67.9486, 13.8887 by changing the saturation by 10% instead.


 34.3688, 67.9486,
13.8887


 34.3688, 67.9486,
13.8887


313.3305,
453.3139, 227.9416


 23.3413, 49.8559,
7.9054


 65.8473, 116.2786,
33.6057


 14.9678, 35.2989,
3.9476


 87.0289, 147.2847,
48.1765


 8.8830, 23.8932,
1.5966


 112.3260,
183.3641, 66.4469

 4.7214, 15.2544,
0.2884

 142.1039,
224.9012, 88.8354

 2.1178, 8.9982,
0.0000

 176.7279,
272.2803, 115.7606

 0.6989, 4.7400,
0.0000

216.5635,

 0.0000, 2.0955,

325.8858, 147.6410

0.0000

261.9759,
386.1022, 184.8952

■ 0.0000, 0.6621,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3688, 67.9486,
13.8887

■ 34.3688, 67.9486,
13.8887

■ 34.3704, 67.9514,
13.8901

■ 35.2680, 68.3565,
16.5375

■ 36.8871, 69.1089,
20.3285

■ 39.4045, 70.2976,
25.3767

■ 42.9331, 71.9786,
31.7803

■ 47.5686, 74.1993,
39.6279

■ 53.3952, 77.0017,
49.0003

■ 60.4891, 80.4232,
59.9725

■ 68.9198, 84.4983,
72.6143

■ 78.7519, 89.2589,
86.9916

Harmonies

Analogous

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



50.4963, 67.9486, 4.4841



34.3688, 67.9486, 13.8887



27.2776, 67.9486, 48.1983

Triad

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



34.3688, 67.9486, 13.8887



54.8066, 67.9486, 317.0435



123.9948, 67.9486, 38.3278

Complementary

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



34.3688, 67.9486, 13.8887



49.8475, 24.4522, 58.5897

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.



126.0510, 67.9486, 107.6360



34.3688, 67.9486, 13.8887



81.0726, 67.9486, 307.1458

Square

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



34.3688, 67.9486, 13.8887



36.7990, 67.9486, 236.9767



108.7321, 67.9486, 215.1746



103.6935, 67.9486, 10.7620

Rectangle

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



34.3688, 67.9486, 13.8887



26.9354, 67.9486, 95.3990



108.7321, 67.9486, 215.1746



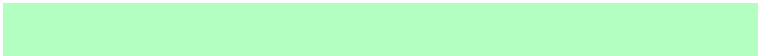
127.0070, 67.9486, 56.0414

Sweetspot

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



34.3704, 67.9514, 13.8902



63.8200, 84.8782, 63.2583



58.6021, 80.5003, 12.4495



12.9480, 17.8237, 12.4488



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.



34.3704, 67.9514, 13.8902



36.2754, 71.7262, 14.6343



41.1473, 70.6622, 49.5768



17.1484, 19.3616, 18.9818



18.4345, 36.3868, 7.6315



1.7416, 3.3838, 0.8874

Inverse Universe

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



49.8475, 24.4522, 58.5897



52.6108, 25.8083, 61.8078



40.4744, 20.7029, 9.2318



17.8474, 17.4663, 21.0520



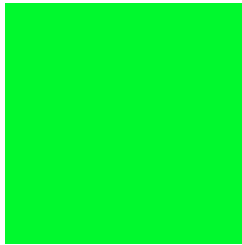
26.7308, 13.1080, 31.6205



2.5102, 1.2278, 3.1101

Previews

White Background



This preview shows how the XYZ color 34.3688, 67.9486, 13.8887 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 34.3688, 67.9486, 13.8887 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

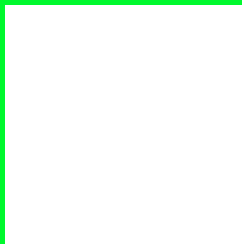
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3688, 67.9486, 13.8887

Background



This preview shows how black text looks on a background with the XYZ color 34.3688, 67.9486, 13.8887.



This preview shows how white text looks on a background with the XYZ color 34.3688, 67.9486,

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

34.3688, 67.9486, 13.8887

Protanopia

60.0634, 66.2473, 11.3716

Deuteranopia

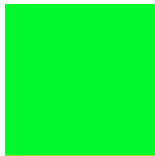
66.6465, 66.3527, 28.0336



Tritanopia

51.9781, 67.6213, 101.5795

Trichromacy



Original Color

34.3688, 67.9486, 13.8887



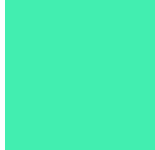
Protanomaly

40.7162, 61.3182, 11.6971



Deuteranomaly

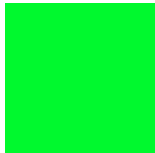
42.8223, 60.2205, 20.1932



Tritanomaly

40.6578, 65.4419, 51.5630

Monochromacy



Original Color

34.3688, 67.9486, 13.8887



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.5748, 39.2197, 21.8450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3688, 67.9486, 13.8887 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, 249, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 46)  
}
```

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, 249, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 46) }
```

Border

The CSS property to change the border of an element to XYZ 34.3688, 67.9486, 13.8887 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, 249, 46) }
```


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

```
.border{ border-color:rgb(0, 249, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 249, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 249, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3688, 67.9486, 13.8887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 46) }
```

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

```
.background{ background-color: rgb(0, 249,  
46) }
```

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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