

Converting Colors

XYZ(34.5664, 68.4740, 13.5530)

Have a look what the booklet for
XYZ(34.5664, 68.4740, 13.5530)
contains.

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Color

**XYZ(34.6035, 68.5384,
13.5959)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA2A
RGB	0, 250, 42
RGB Percent	0%, 98%, 16%
CMY	1.0000, 0.0196, 0.8353
CMYK	1.00, 0.00, 0.83, 0.02
HSL	130°, 100%, 49%
HSV	130°, 100%, 98%
XYZ	34.6035, 68.5384, 13.5959
YIQ	151.5380, -82.2320, -117.6880

Conversions

Conversions Part 2

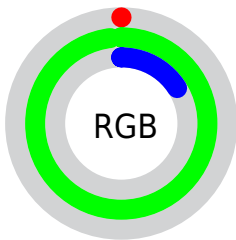
Format	Color
RYB	0, 214, 250
Decimal	64042
CIELab	86.27, -83.82, 76.37
CIELCh	86, 113.392, 137.661
Yxy	68.5384, 0.2964, 0.5871
Android (android.graphics.Color)	4278254122 (0xFF00FA2A)
YUV	151.5380, -54.0022, -132.8988
Hunter-Lab	82.7879, -70.2699, 48.2146

Details

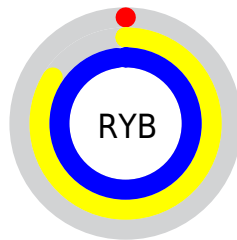
The XYZ color **34.6035, 68.5384, 13.5959** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.8103, 24.8786, 61.7942**, and the grayscale version is **29.8981, 31.4551, 34.2546**.

A 20% lighter version of the original color is **45.8851, 76.4331, 26.2446**, and **18.8496, 37.6993, 6.2832** is the 20% darker color. If you saturate the color by 10%, you get **34.6051, 68.5412, 13.5975**, and if you desaturate by 10%, it is **35.4798, 68.9374, 16.1112**.

Distribution



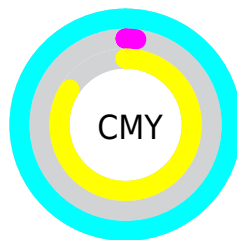
- Red (0%)
- Green (98%)
- Blue (16%)



- Red (0%)
- Yellow (84%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6035, 68.5384, 13.5959 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 34.6035, 68.5384, 13.5959 by changing the saturation by 10% instead.


 34.6035, 68.5384,
13.5959


 34.6035, 68.5384,
13.5959


314.3535,
455.4012, 226.0425

 23.5227, 50.3359,
7.7046


 66.2091, 117.1220,
33.0770

 15.1027, 35.6803,
3.8215


 87.4647, 148.2719,
47.5039


 8.9783, 24.1874,
1.5279

 112.8425,
184.5064, 65.6131

 4.7840, 15.4727,
0.2386

 142.7080,
226.2098, 87.8232

 2.1546, 9.1518,
0.0000

 177.4265,
273.7667, 114.5526

 0.7186, 4.8403,
0.0000

217.3633,

 0.0000, 2.1539,

327.5612, 146.2200

0.0000

262.8839,
387.9780, 183.2437

■ 0.0000, 0.6947,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6035, 68.5384,
13.5959

■ 34.6035, 68.5384,
13.5959

■ 34.6051, 68.5412,
13.5975

■ 35.4798, 68.9374,
16.1112

■ 37.0874, 69.6861,
19.8037

■ 39.6083, 70.8777,
24.7991

■ 43.1577, 72.5694,
31.2046

■ 47.8337, 74.8097,
39.1159

■ 53.7224, 77.6412,
48.6206

■ 60.9016, 81.1022,
59.7993

■ 69.4425, 85.2279,
72.7272

■ 79.4111, 90.0508,
87.4751

Harmonies

Analogous

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



51.0522, 68.5384, 4.3342



34.6035, 68.5384, 13.5959



27.3424, 68.5384, 47.8958

Triad

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



34.6035, 68.5384, 13.5959



54.9812, 68.5384, 322.1152



125.7420, 68.5384, 38.9167

Complementary

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



34.6035, 68.5384, 13.5959



50.8103, 24.8786, 61.7942

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.



127.6241, 68.5384, 109.8127



34.6035, 68.5384, 13.5959



81.6154, 68.5384, 313.0301

Square

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



34.6035, 68.5384, 13.5959



36.8137, 68.5384, 239.6375



109.8132, 68.5384, 219.6472



105.2044, 68.5384, 10.7788

Rectangle

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



34.6035, 68.5384, 13.5959



26.9449, 68.5384, 95.5111



109.8132, 68.5384, 219.6472



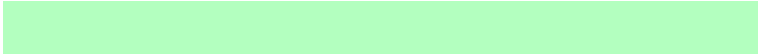
128.7429, 68.5384, 57.0327

Sweetspot

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



34.6051, 68.5412, 13.5975



63.6782, 84.8215, 62.5114



60.2943, 81.8328, 12.6175



12.9155, 17.8107, 12.2774



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.



34.6051, 68.5412, 13.5975



36.1933, 71.6933, 14.2018



41.1315, 71.1518, 47.9651



17.1364, 19.3568, 18.9187



18.3899, 36.3690, 7.3966



1.7358, 3.3814, 0.8565

Inverse Universe

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



50.8103, 24.8786, 61.7942



53.1425, 26.0210, 64.6078



41.0002, 20.9545, 10.1352



17.8604, 17.4715, 21.1208



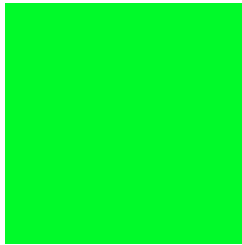
26.9969, 13.2145, 33.0218



2.5325, 1.2367, 3.2275

Previews

White Background



This preview shows how the XYZ color 34.6035, 68.5384, 13.5959 looks on a white background.

Color Contrast Check

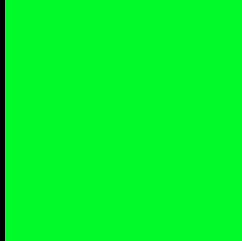
Large Text (above 18pt) WCAG AA × Fail

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 34.6035, 68.5384, 13.5959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

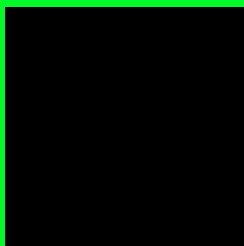
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6035, 68.5384, 13.5959

Background



This preview shows how black text looks on a background with the XYZ color 34.6035, 68.5384, 13.5959.

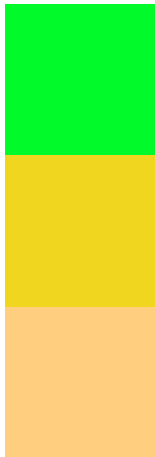


This preview shows how white text looks on a background with the XYZ color 34.6035, 68.5384,

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

34.6035, 68.5384, 13.5959

Protanopia

60.5829, 66.8982, 11.0861

Deuteranopia

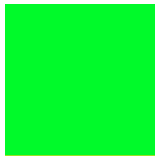
67.1421, 66.9349, 29.4596



Tritanopia

52.4185, 68.2492, 102.5061

Trichromacy



Original Color

34.6035, 68.5384, 13.5959



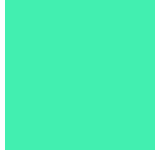
Protanomaly

40.9244, 61.8378, 11.4480



Deuteranomaly

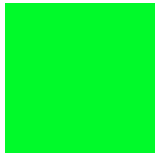
43.1329, 60.7685, 20.5225



Tritanomaly

40.9497, 66.0258, 51.6603

Monochromacy



Original Color

34.6035, 68.5384, 13.5959



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.8376, 39.6777, 21.6260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6035, 68.5384, 13.5959 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 42) }
```

Border

The CSS property to change the border of an element to XYZ 34.6035, 68.5384, 13.5959 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, 42) }
```


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

```
.border{ border-color:rgb(0, 250, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.6035, 68.5384, 13.5959 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, 42) }
```

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

```
.background{ background-color: rgb(0, 250,  
42) }
```

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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