

# Converting Colors

XYZ(38.9905, 68.5026, 34.8692)

Have a look what the booklet for  
XYZ(38.9905, 68.5026, 34.8692)  
contains.

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# Color

**XYZ(38.9924, 68.5019,  
34.8340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36F689
RGB	54, 246, 137
RGB Percent	21%, 96%, 54%
CMY	0.7882, 0.0353, 0.4627
CMYK	0.78, 0.00, 0.44, 0.04
HSL	146°, 91%, 59%
HSV	146°, 78%, 96%
XYZ	38.9924, 68.5019, 34.8340
YIQ	176.1660, -79.4430, -74.6030

# Conversions

## Conversions Part 2

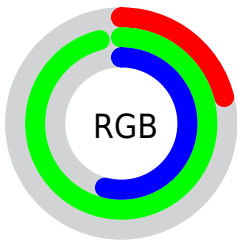
Format	Color
<a href="#">RYB</a>	54, 188, 246
Decimal	3602057
CIELab	86.26, -69.24, 39.52
CIELCh	86, 79.724, 150.285
Yxy	68.5019, 0.2740, 0.4813
Android (android.graphics.Color)	4281792137 (0xFF36F689)
YUV	176.1660, -19.3088, -107.1396
Hunter-Lab	82.7659, -60.7459, 32.9825

# Details

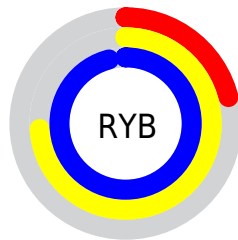
The XYZ color **38.9924, 68.5019, 34.8340** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **45.9381, 24.8768, 37.0331**, and the grayscale version is **41.4823, 43.6427, 47.5269**.

A 20% lighter version of the original color is **54.4803, 80.0716, 62.4531**, and **19.6229, 36.6223, 14.6289** is the 20% darker color. If you saturate the color by 10%, you get **37.0527, 67.6122, 29.8486**, and if you desaturate by 10%, it is **41.7320, 69.7928, 40.5368**.

# Distribution



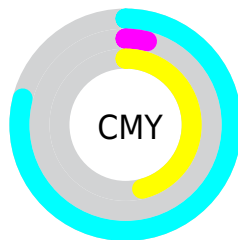
- Red (21%)
- Green (96%)
- Blue (54%)



- Red (21%)
- Yellow (74%)
- Blue (96%)



- Cyan (78%)
- Magenta (0%)
- Yellow (44%)
- Black (4%)




- Cyan (79%)
- Magenta (4%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9924, 68.5019, 34.8340 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 38.9924, 68.5019, 34.8340 by changing the saturation by 10% instead.





 38.9924, 68.5019,  
34.8340


 38.9924, 68.5019,  
34.8340


333.0659,  
455.2722, 338.7170


 26.9345, 50.3062,  
23.2525


 72.9209, 117.0699,  
68.3772


 17.6604, 35.6567,  
14.5730


 95.5221, 148.2109,  
91.1759

 10.8046, 24.1692,  
8.3770


 122.3686,  
184.4358, 118.5509

 6.0019, 15.4592,  
4.2459

 153.8256,  
226.1289, 150.9205

 2.8869, 9.1423,  
1.7612

190.2584,  
273.6748, 188.7034

 1.0943, 4.8341,  
0.4022

232.0325,

 0.0203, 2.1503,

327.4577, 232.3181

0.0000

279.5132,  
387.8620, 282.1831

■ 0.0000, 0.6927,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.9924, 68.5019,  
34.8340

■ 38.9924, 68.5019,  
34.8340

■ 37.0527, 67.6122,  
29.8486

■ 41.7320, 69.7928,  
40.5368


■ 35.7813, 67.0507,  
25.5443


■ 45.3597, 71.5240,  
46.9811


■ 35.5765, 66.9619,  
24.7796


■ 49.9565, 73.7388,  
54.1953


■ 55.5927, 76.4730,  
62.2050

 62.3319, 79.7587,  
71.0341

 70.2321, 83.6255,  
80.7059

 79.3473, 88.1008,  
91.2423

 89.7281, 93.2102,  
102.6647

 92.2470, 94.3941,  
107.9657

# Harmonies

## Analogous

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



48.8676, 68.5019, 16.8897



38.9924, 68.5019, 34.8340



35.7841, 68.5019, 75.0916

# Triad

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



38.9924, 68.5019, 34.8340



65.2850, 68.5019, 228.4190



100.6310, 68.5019, 34.3116

# Complementary

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



38.9924, 68.5019, 34.8340



45.9381, 24.8768, 37.0331

# 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.



107.2145, 68.5019, 74.0845



38.9924, 68.5019, 34.8340



84.6009, 68.5019, 200.5206

# Square

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



38.9924, 68.5019, 34.8340



49.1196, 68.5019, 201.4958



100.8662, 68.5019, 136.8239



84.2388, 68.5019, 16.7033



# Rectangle

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



38.9924, 68.5019, 34.8340



37.2743, 68.5019, 115.4534



100.8662, 68.5019, 136.8239



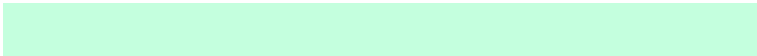
104.1884, 68.5019, 44.7195

# Sweetspot

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



38.9941, 68.5047, 34.8356



71.7612, 88.5608, 82.2109



49.3497, 74.2879, 15.2285



14.7139, 18.6397, 16.7965



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.



38.9941, 68.5047, 34.8356



39.2868, 72.9541, 29.4383



48.7621, 72.4118, 86.2728



16.5796, 18.5910, 19.0707



19.0559, 35.7672, 13.5802



1.7253, 3.1638, 1.4596



# Inverse Universe

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



45.9381, 24.8768, 37.0331



47.0320, 23.8569, 31.5665



40.4324, 22.6745, 8.0405



16.8933, 16.6402, 19.1847



22.8711, 11.4919, 14.5612

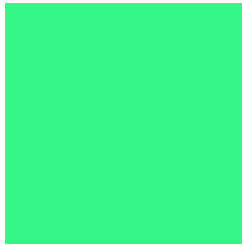


2.0616, 1.0306, 1.5510



# Previews

## White Background



This preview shows how the XYZ color 38.9924, 68.5019, 34.8340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

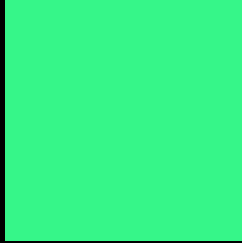
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.9924, 68.5019, 34.8340 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 38.9924, 68.5019, 34.8340**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9924, 68.5019, 34.8340.



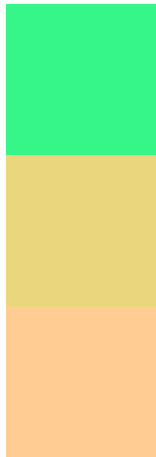
This preview shows how white text looks on a background with the XYZ color 38.9924, 68.5019,



# 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

38.9924, 68.5019, 34.8340

### Protanopia

61.6799, 67.0662, 29.0962

### Deuteranopia

68.3378, 67.0292, 36.9399



## Tritanopia

52.4185, 68.2492, 102.5061

# Trichromacy



## Original Color

38.9924, 68.5019, 34.8340



## Protanomaly

47.5210, 64.4127, 30.6972



## Deuteranomaly

49.8425, 63.1147, 35.5420



## Tritanomaly

46.0451, 67.7806, 71.6289

# Monochromacy



## Original Color

38.9924, 68.5019, 34.8340



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

36.9240, 49.2875, 41.7498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9924, 68.5019, 34.8340 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(54, 246, 137)` looks like.

```
.text, #text, p{  
    color:rgb(54, 246, 137)  
}
```

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(54, 246, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 246, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9924, 68.5019, 34.8340 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(54, 246, 137) }
```



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

```
.border{ border-color:rgb(54, 246, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 246, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(54, 246, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(54, 246, 137); box-shadow:4px 4px 4px 4px rgb(54, 246, 137) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9924, 68.5019, 34.8340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 246, 137) }
```

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

```
.background{ background-color: rgb(54, 246,  
137) }
```

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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