

# Converting Colors

XYZ(38.4328, 69.1076, 35.3325)

Have a look what the booklet for  
XYZ(38.4328, 69.1076, 35.3325)  
contains.

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# Color

**XYZ(38.4433, 69.1185,  
35.3598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	14F88A
RGB	20, 248, 138
RGB Percent	8%, 97%, 54%
CMY	0.9215, 0.0274, 0.4588
CMYK	0.92, 0.00, 0.44, 0.03
HSL	151°, 94%, 53%
HSV	151°, 92%, 97%
XYZ	38.4433, 69.1185, 35.3598
YIQ	167.2880, -100.5780, -82.5460

# Conversions

## Conversions Part 2

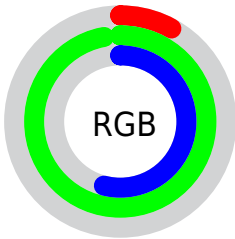
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 170, 248
Decimal	1374346
CIE <sub>Lab</sub>	86.56, -72.31, 39.36
CIE <sub>LCh</sub>	87, 82.330, 151.440
Yxy	69.1185, 0.2690, 0.4836
Android (android.graphics.Color)	4279564426 (0xFF14F88A)
YUV	167.2880, -14.4390, -129.1716
Hunter-Lab	83.1375, -62.9512, 32.9792

# Details

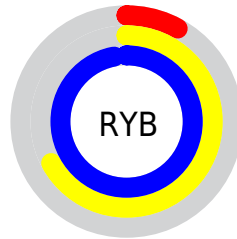
The XYZ color **38.4433, 69.1185, 35.3598** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **42.9932, 22.0699, 23.1167**, and the grayscale version is **36.9768, 38.9025, 42.3648**.

A 20% lighter version of the original color is **52.7218, 79.1522, 62.9512**, and **20.0932, 37.4988, 14.9831** is the 20% darker color. If you saturate the color by 10%, you get **37.4880, 68.7051, 31.8283**, and if you desaturate by 10%, it is **40.1450, 69.8920, 40.2155**.

# Distribution



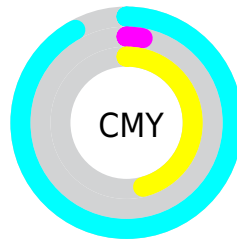
- Red (8%)
- Green (97%)
- Blue (54%)



- Red (8%)
- Yellow (67%)
- Blue (97%)



- Cyan (92%)
- Magenta (0%)
- Yellow (44%)
- Black (3%)




- Cyan (92%)
- Magenta (3%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4433, 69.1185, 35.3598 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 38.4433, 69.1185, 35.3598 by changing the saturation by 10% instead.





 38.4433, 69.1185,  
35.3598


 38.4433, 69.1185,  
35.3598


330.7659,  
457.4488, 341.1060


 26.5057, 50.8082,  
23.6544


 72.0866, 117.9508,  
69.2007


 17.3370, 36.0560,  
14.8676


 94.5231, 149.2416,  
92.1732


 10.5718, 24.4775,  
8.5809

 121.1898,  
185.6281, 119.7385

 5.8449, 15.6882,  
4.3758

 152.4522,  
227.4946, 152.3152

 2.7907, 9.3038,  
1.8337

 188.6757,  
275.2255, 190.3217

 1.0441, 4.9398,  
0.4500

230.2256,

 0.0000, 2.2120,

329.2053, 234.1767

0.0000

277.4672,  
389.8182, 284.2986

■ 0.0000, 0.7265,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.4433, 69.1185,  
35.3598

■ 38.4433, 69.1185,  
35.3598

■ 37.4880, 68.7051,  
31.8283

■ 40.1450, 69.8920,  
40.2155

■ 42.5822, 71.0313,  
45.6178

■ 45.8572, 72.5909,  
51.5876

■ 50.0540, 74.6137,  
58.1430

■ 55.2458, 77.1371,  
65.3009

■ 61.4980, 80.1946,  
73.0775

■ 68.8703, 83.8167,  
81.4882

■ 77.4178, 88.0314,  
90.5479

■ 87.1919, 92.8650,  
100.2709

# Harmonies

## Analogous

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



48.3499, 69.1185, 16.4820



38.4433, 69.1185, 35.3598



35.4102, 69.1185, 77.9302

# Triad

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



38.4433, 69.1185, 35.3598



66.6215, 69.1185, 236.8390



102.2495, 69.1185, 32.6667

# Complementary

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



38.4433, 69.1185, 35.3598



42.9932, 22.0699, 23.1167

# 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.



109.6421, 69.1185, 72.6481



38.4433, 69.1185, 35.3598



86.7596, 69.1185, 205.2850

# Square

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



38.4433, 69.1185, 35.3598



49.6636, 69.1185, 210.4841



103.4930, 69.1185, 137.5288



84.8512, 69.1185, 15.5410



# Rectangle

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



38.4433, 69.1185, 35.3598



37.1112, 69.1185, 120.5902



103.4930, 69.1185, 137.5288



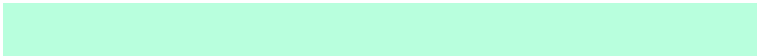
106.1233, 69.1185, 43.0038

# Sweetspot

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



38.4450, 69.1213, 35.3614



68.4229, 86.8576, 81.2526



42.9327, 71.9501, 12.2872



13.9558, 18.2528, 16.5833



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.



38.4450, 69.1213, 35.3614



39.9228, 73.1851, 33.8409



49.6448, 71.7508, 100.0431



17.3925, 19.4593, 20.2674



20.3216, 37.1416, 17.5687



1.9357, 3.4614, 1.9094



# Inverse Universe

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



42.9932, 22.0699, 23.1167



44.8171, 22.6908, 20.7665



39.1620, 20.6532, 2.5847



17.5935, 17.3648, 19.7150



22.8021, 11.5366, 10.9321

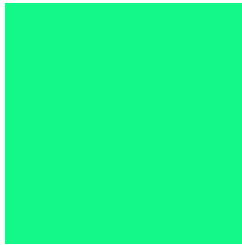


2.1652, 1.0898, 1.2931



# Previews

## White Background



This preview shows how the XYZ color 38.4433, 69.1185, 35.3598 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 38.4433, 69.1185, 35.3598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

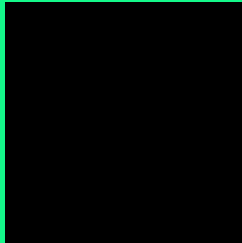
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.4433, 69.1185, 35.3598**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.4433, 69.1185, 35.3598.



This preview shows how white text looks on a background with the XYZ color 38.4433, 69.1185,



# Color Blindness Simulation

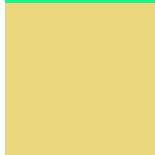
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

38.4433, 69.1185, 35.3598



### Protanopia

62.2631, 67.7437, 29.1963



### Deuteranopia

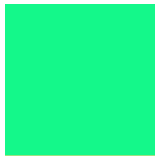
68.8163, 67.6046, 38.2761



## Tritanopia

52.2138, 68.9521, 104.3231

# Trichromacy



## Original Color

38.4433, 69.1185, 35.3598



## Protanomaly

45.4030, 63.7180, 31.0249



## Deuteranomaly

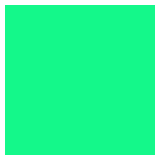
47.6223, 62.3343, 36.7159



## Tritanomaly

45.3585, 68.2669, 73.0736

# Monochromacy



## Original Color

38.4433, 69.1185, 35.3598



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

32.6801, 45.4576, 38.5043

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.4433, 69.1185, 35.3598 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(20, 248, 138)` looks like.

```
.text, #text, p{  
    color:rgb(20, 248, 138)  
}
```

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(20, 248, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 248, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 38.4433, 69.1185, 35.3598 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(20, 248, 138) }
```



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

```
.border{ border-color:rgb(20, 248, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 248, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 248, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 248, 138);  
box-shadow:4px 4px 4px 4px rgb(20, 248,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.4433, 69.1185, 35.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 248, 138) }
```

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

```
.background{ background-color: rgb(20, 248,  
138) }
```

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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