

# Converting Colors

XYZ(39.9809, 71.9154, 38.1331)

Have a look what the booklet for  
XYZ(39.9809, 71.9154, 38.1331)  
contains.

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# Color

**XYZ(39.8444, 71.6344,  
38.1124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FC90
RGB	0, 252, 144
RGB Percent	0%, 99%, 56%
CMY	0.9999, 0.0117, 0.4353
CMYK	1.00, 0.00, 0.43, 0.01
HSL	154°, 100%, 49%
HSV	154°, 100%, 99%
XYZ	39.8444, 71.6344, 38.1124
YIQ	164.3400, -115.5240, -87.0120

# Conversions

## Conversions Part 2

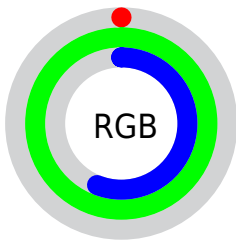
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 160, 252
Decimal	64656
CIELab	87.79, -73.17, 38.00
CIELCh	88, 82.453, 152.555
Yxy	71.6344, 0.2664, 0.4789
Android (android.graphics.Color)	4278254736 (0xFF00FC90)
YUV	164.3400, -10.0276, -144.1262
Hunter-Lab	84.6371, -64.0829, 32.5475

# Details

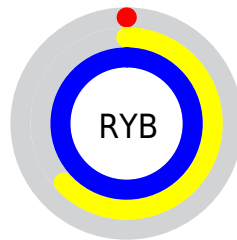
The XYZ color **39.8444, 71.6344, 38.1124** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **42.8543, 21.7797, 16.1377**, and the grayscale version is **35.5378, 37.3886, 40.7161**.

A 20% lighter version of the original color is **53.1390, 79.2884, 66.5363**, and **21.2236, 39.3563, 16.6031** is the 20% darker color. If you saturate the color by 10%, you get **39.8454, 71.6369, 38.1111**, and if you desaturate by 10%, it is **41.1180, 72.1929, 42.6916**.

# Distribution



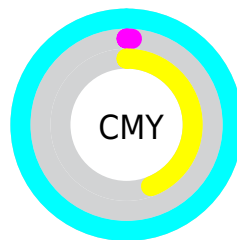
- Red (0%)
- Green (99%)
- Blue (56%)



- Red (0%)
- Yellow (63%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8444, 71.6344, 38.1124 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 39.8444, 71.6344, 38.1124 by changing the saturation by 10% instead.





 39.8444, 71.6344,  
38.1124


 39.8444, 71.6344,  
38.1124


336.6130,  
466.2681, 353.4145


 27.6009, 52.8601,  
25.7674


 74.2124, 121.5366,  
73.4857


 18.1640, 37.6911,  
16.4255


 97.0675, 153.4333,  
97.3511


 11.1682, 25.7430,  
9.6682


 124.1907,  
190.4728, 125.8938

 6.2482, 16.6315,  
5.0768

 155.9471,  
233.0397, 159.5322

 3.0387, 9.9721,  
2.2329

 192.7022,  
281.5183, 198.6850

 1.1742, 5.3805,  
0.6932

234.8213,

 0.0859, 2.4722,

336.2929, 243.7706

0.0000

282.6698,  
397.7481, 295.2076

■ 0.0000, 0.8627,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.8444, 71.6344,  
38.1124

■ 39.8444, 71.6344,  
38.1124


■ 39.8454, 71.6369,  
38.1111


■ 41.1180, 72.1929,  
42.6916


■ 42.9945, 73.0509,  
47.7208


■ 45.6387, 74.2950,  
53.2200


■ 49.1501, 75.9764,  
59.2041

 53.6126, 78.1381,  
65.6870

 59.0999, 80.8178,  
72.6816

 65.6779, 84.0492,  
80.2005

 73.4069, 87.8634,  
88.2554

 82.3425, 92.2887,  
96.8578

# Harmonies

## Analogous

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



49.7718, 71.6344, 17.8475



39.8444, 71.6344, 38.1124



36.9780, 71.6344, 82.9031

# Triad

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



39.8444, 71.6344, 38.1124



69.7783, 71.6344, 242.8858



105.0007, 71.6344, 33.1779

# Complementary

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



39.8444, 71.6344, 38.1124



42.8543, 21.7797, 16.1377

# 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.



113.0432, 71.6344, 73.2897



39.8444, 71.6344, 38.1124



90.4189, 71.6344, 208.7298

# Square

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



39.8444, 71.6344, 38.1124



52.1679, 71.6344, 218.1313



107.2567, 71.6344, 138.9875



86.9524, 71.6344, 16.1092



# Rectangle

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



39.8444, 71.6344, 38.1124



38.9022, 71.6344, 127.0903



107.2567, 71.6344, 138.9875



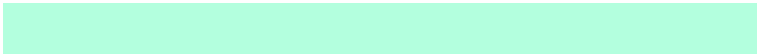
109.1050, 71.6344, 43.5219

# Sweetspot

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



39.8462, 71.6373, 38.1141



67.4483, 86.3295, 82.3649



41.1446, 72.8881, 11.9008



13.7967, 18.1632, 16.9179



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

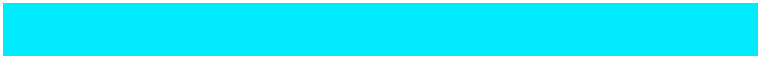
The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8462, 71.6373, 38.1141



40.9256, 73.5862, 39.1216



47.3387, 66.5628, 102.4519



17.4330, 19.4755, 20.4809



20.8305, 37.3452, 20.2486



1.9824, 3.4800, 2.1550



# Inverse Universe

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



42.8543, 21.7797, 16.1377



44.0161, 22.3704, 16.5487



40.3441, 21.0915, 1.9452



17.5534, 17.3487, 19.5040



22.3925, 11.3727, 8.7752

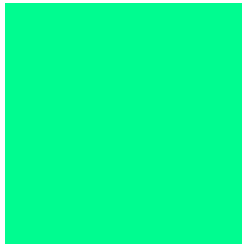


2.1258, 1.0741, 1.0861



# Previews

## White Background



This preview shows how the XYZ color 39.8444, 71.6344, 38.1124 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 39.8444, 71.6344, 38.1124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

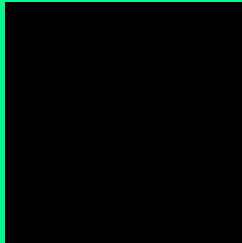
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.8444, 71.6344, 38.1124**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8444, 71.6344, 38.1124.



This preview shows how white text looks on a background with the XYZ color 39.8444, 71.6344,



# Color Blindness Simulation

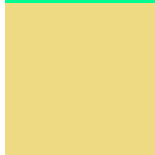
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

39.8444, 71.6344, 38.1124



### Protanopia

64.4280, 69.9586, 31.5804



### Deuteranopia

70.8975, 69.9975, 44.4245



## Tritanopia

54.8897, 71.1679, 105.4515

# Trichromacy



## Original Color

39.8444, 71.6344, 38.1124



## Protanomaly

45.5032, 64.9505, 33.4310



## Deuteranomaly

47.8263, 63.9321, 41.2719



## Tritanomaly

46.6164, 69.7502, 75.2962

# Monochromacy



## Original Color

39.8444, 71.6344, 38.1124



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

31.5347, 44.8572, 38.8946

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8444, 71.6344, 38.1124 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, 252, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 144)  
}
```

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, 252, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8444, 71.6344, 38.1124 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, 252, 144) }
```



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

```
.border{ border-color:rgb(0, 252, 144) }
```

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

Here you see how a box with a 4 pixel rgb(0, 252, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8444, 71.6344, 38.1124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 144) }
```

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

```
.background{ background-color: rgb(0, 252,  
144) }
```

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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