

# Converting Colors

XYZ(39.0609, 69.1403, 40.7090)

Have a look what the booklet for  
XYZ(39.0609, 69.1403, 40.7090)  
contains.

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# Color

**XYZ(39.1533, 69.3692,  
40.6042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F897
RGB	0, 248, 151
RGB Percent	0%, 97%, 59%
CMY	0.9999, 0.0274, 0.4078
CMYK	1.00, 0.00, 0.39, 0.03
HSL	157°, 100%, 49%
HSV	157°, 100%, 97%
XYZ	39.1533, 69.3692, 40.6042
YIQ	162.7900, -116.6710, -82.7430

# Conversions

## Conversions Part 2

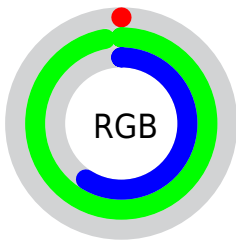
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 154, 248
Decimal	63639
CIELab	86.69, -70.58, 33.09
CIELCh	87, 77.954, 154.883
Yxy	69.3692, 0.2626, 0.4652
Android (android.graphics.Color)	4278253719 (0xFF00F897)
YUV	162.7900, -5.8125, -142.7668
Hunter-Lab	83.2882, -61.8425, 29.3970

# Details

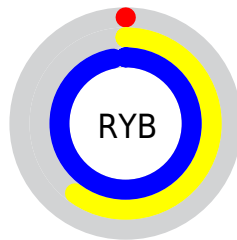
The XYZ color **39.1533, 69.3692, 40.6042** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **40.8718, 20.8211, 13.1791**, and the grayscale version is **34.7834, 36.5948, 39.8518**.

A 20% lighter version of the original color is **53.8400, 79.5536, 70.9102**, and **20.6656, 37.7278, 17.9974** is the 20% darker color. If you saturate the color by 10%, you get **39.1542, 69.3716, 40.6025**, and if you desaturate by 10%, it is **40.3721, 69.9045, 44.9465**.

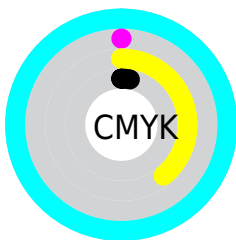
# Distribution



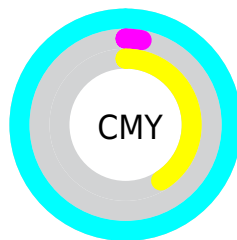
- Red (0%)
- Green (97%)
- Blue (59%)



- Red (0%)
- Yellow (60%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1533, 69.3692, 40.6042 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 39.1533, 69.3692, 40.6042 by changing the saturation by 10% instead.





 39.1533, 69.3692,  
40.6042


 39.1533, 69.3692,  
40.6042


333.7378,  
458.3320, 364.2912


 27.0603, 51.0124,  
27.6926


 73.1650, 118.3087,  
77.3298


 17.7553, 36.2185,  
17.8570


 95.8144, 149.6603,  
101.9809


 10.8731, 24.6030,  
10.6790


 122.7133,  
186.1123, 131.3822

 6.0482, 15.7815,  
5.7400

 154.2271,  
228.0491, 165.9523

 2.9154, 9.3697,  
2.6214

 190.7210,  
275.8551, 206.1097

 1.1092, 4.9831,  
0.9035

232.5606,

 0.0328, 2.2373,

329.9146, 252.2729

0.0000

280.1110,  
390.6121, 304.8606

■ 0.0000, 0.7402,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.1533, 69.3692,  
40.6042

■ 39.1533, 69.3692,  
40.6042


■ 39.1542, 69.3716,  
40.6025

■ 40.3721, 69.9045,  
44.9465


■ 42.1595, 70.7235,  
49.6602


■ 44.6742, 71.9096,  
54.7618


■ 48.0116, 73.5118,  
60.2631

 52.2518, 75.5712,  
66.1749

 57.4651, 78.1240,  
72.5076

 63.7145, 81.2025,  
79.2707

 71.0575, 84.8361,  
86.4735

 79.5474, 89.0522,  
94.1249

# Harmonies

## Analogous

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



47.9494, 69.3692, 19.6900



39.1533, 69.3692, 40.6042



36.9578, 69.3692, 84.3466

# Triad

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



39.1533, 69.3692, 40.6042



68.9435, 69.3692, 224.9267



98.8381, 69.3692, 31.6344

# Complementary

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



39.1533, 69.3692, 40.6042



40.8718, 20.8211, 13.1791

# 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.



107.0909, 69.3692, 67.3526



39.1533, 69.3692, 40.6042



87.9308, 69.3692, 190.4939

# Square

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



39.1533, 69.3692, 40.6042



52.2243, 69.3692, 206.6673



102.7735, 69.3692, 126.2876



81.8532, 69.3692, 16.4236



# Rectangle

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



39.1533, 69.3692, 40.6042



39.1109, 69.3692, 125.7693



102.7735, 69.3692, 126.2876



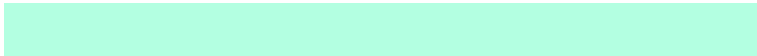
102.8541, 69.3692, 40.8483

# Sweetspot

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



39.1551, 69.3720, 40.6058



67.8361, 86.4846, 84.4066



38.7377, 69.8021, 11.4320



13.8889, 18.2001, 17.4035



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.



39.1551, 69.3720, 40.6058



41.6978, 73.8951, 43.1880



43.3869, 59.6631, 98.0398



17.4614, 19.4868, 20.6302



21.2212, 37.5015, 22.3060



2.0175, 3.4941, 2.3399



# Inverse Universe

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



40.8718, 20.8211, 13.1791



43.5279, 22.1752, 13.9782



39.0568, 20.6448, 1.9269



17.5257, 17.3376, 19.3582



22.1416, 11.2724, 7.4541

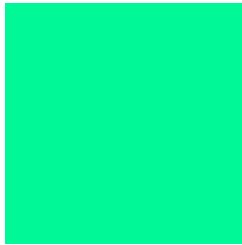


2.1010, 1.0642, 0.9555



# Previews

## White Background



This preview shows how the XYZ color 39.1533, 69.3692, 40.6042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

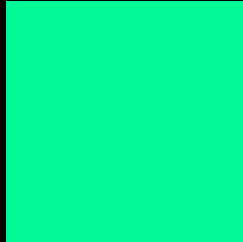
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1533, 69.3692, 40.6042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

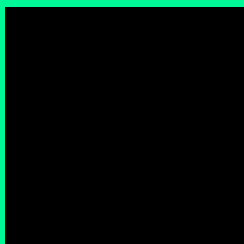
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.1533, 69.3692, 40.6042**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1533, 69.3692, 40.6042.



This preview shows how white text looks on a background with the XYZ color 39.1533, 69.3692,



# 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

39.1533, 69.3692, 40.6042

### Protanopia

62.8196, 67.9283, 33.8453

### Deuteranopia

69.0123, 67.5985, 43.1287



## Tritanopia

52.1653, 69.3348, 105.2413

# Trichromacy



## Original Color

39.1533, 69.3692, 40.6042



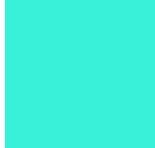
## Protanomaly

44.8214, 63.3109, 35.8445



## Deuteranomaly

46.6402, 61.7243, 41.3541



## Tritanomaly

45.3718, 68.1998, 76.4182

# Monochromacy



## Original Color

39.1533, 69.3692, 40.6042



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

31.2587, 44.0298, 39.6520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1533, 69.3692, 40.6042 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, 248, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 151)  
}
```

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, 248, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1533, 69.3692, 40.6042 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, 248, 151) }
```



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

```
.border{ border-color:rgb(0, 248, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 248, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1533, 69.3692, 40.6042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 151) }
```

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

```
.background{ background-color: rgb(0, 248,  
151) }
```

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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