

# Converting Colors

XYZ(38.9297, 72.0653, 31.3940)

Have a look what the booklet for  
XYZ(38.9297, 72.0653, 31.3940)  
contains.

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# Color

**XYZ(39.1435, 72.3643,  
31.3067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FE7D
RGB	0, 254, 125
RGB Percent	0%, 100%, 49%
CMY	0.9999, 0.0039, 0.5098
CMYK	1.00, 0.00, 0.51, 0.00
HSL	150°, 100%, 50%
HSV	150°, 100%, 100%
XYZ	39.1435, 72.3643, 31.3067
YIQ	163.3480, -109.9750, -93.9670

# Conversions

## Conversions Part 2

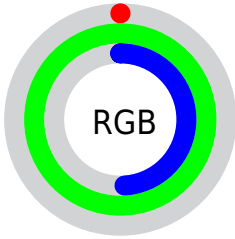
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 170, 254
Decimal	65149
CIELab	88.14, -76.89, 47.55
CIELCh	88, 90.411, 148.266
Yxy	72.3643, 0.2741, 0.5067
Android (android.graphics.Color)	4278255229 (0xFF00FE7D)
YUV	163.3480, -18.9056, -143.2562
Hunter-Lab	85.0672, -66.7312, 37.7270

# Details

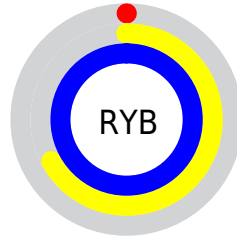
The XYZ color **39.1435, 72.3643, 31.3067** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **44.8384, 22.6574, 22.7850**, and the grayscale version is **35.1047, 36.9328, 40.2199**.

A 20% lighter version of the original color is **51.2007, 78.5283, 55.6389**, and **20.9096, 39.9477, 12.7395** is the 20% darker color. If you saturate the color by 10%, you get **39.1445, 72.3669, 31.3055**, and if you desaturate by 10%, it is **40.4350, 72.9306, 35.9544**.

# Distribution



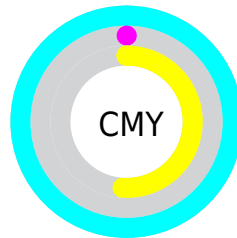
- Red (0%)
- Green (100%)
- Blue (49%)



- Red (0%)
- Yellow (67%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1435, 72.3643, 31.3067 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 39.1435, 72.3643, 31.3067 by changing the saturation by 10% instead.





 39.1435, 72.3643,  
31.3067


 39.1435, 72.3643,  
31.3067


333.6969,  
468.8086, 322.3436


 27.0526, 53.4563,  
20.5721


 73.1502, 122.5743,  
62.8078


 17.7495, 38.1672,  
12.6234


 95.7966, 154.6452,  
84.4115

 10.8689, 26.1125,  
7.0421


 122.6923,  
191.8724, 110.4751

 6.0454, 16.9078,  
3.4096

 154.2026,  
234.6405, 141.4174

 2.9136, 10.1688,  
1.3074

 190.6929,  
283.3337, 177.6569

 1.1083, 5.5110,  
0.0678

232.5284,

 0.0320, 2.5501,

338.3366, 219.6121

0.0000

280.0746,  
400.0334, 267.7015

■ 0.0000, 0.9016,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.1435, 72.3643,  
31.3067

■ 39.1435, 72.3643,  
31.3067


■ 39.1445, 72.3669,  
31.3055


■ 40.4350, 72.9306,  
35.9544


■ 42.3694, 73.8135,  
41.2097


■ 45.1154, 75.1015,  
47.1013


■ 48.7762, 76.8476,  
53.6523

 53.4390, 79.0961,  
60.8844

 59.1799, 81.8860,  
68.8179

 66.0675, 85.2523,  
77.4722

 74.1647, 89.2270,  
86.8660

 83.5292, 93.8396,  
97.0171

# Harmonies

## Analogous

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



50.9168, 72.3643, 13.5812



39.1435, 72.3643, 31.3067



35.0421, 72.3643, 75.2461

# Triad

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



39.1435, 72.3643, 31.3067



67.5304, 72.3643, 267.6763



112.2598, 72.3643, 34.7999

# Complementary

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



39.1435, 72.3643, 31.3067



44.8384, 22.6574, 22.7850

# 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.



119.2431, 72.3643, 82.4484



39.1435, 72.3643, 31.3067



90.3977, 72.3643, 236.9807

# Square

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



39.1435, 72.3643, 31.3067



49.1554, 72.3643, 229.5568



110.5258, 72.3643, 159.4362



93.0360, 72.3643, 14.7272



# Rectangle

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



39.1435, 72.3643, 31.3067



36.3825, 72.3643, 122.2945



110.5258, 72.3643, 159.4362



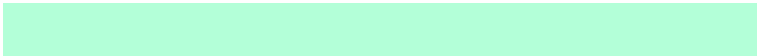
116.2734, 72.3643, 47.0652

# Sweetspot

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



39.1453, 72.3672, 31.3084



66.6485, 86.0096, 78.1532



44.8411, 75.7312, 12.2547



13.6073, 18.0875, 15.9207



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.



39.1453, 72.3672, 31.3084



39.4928, 73.0131, 31.5764



52.6628, 77.7743, 102.4908



18.1442, 20.3172, 21.0623



20.7109, 38.1809, 16.8946



2.0716, 3.7396, 1.9348



# Inverse Universe

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



44.8384, 22.6574, 22.7850



45.2368, 22.8587, 22.9767



40.8981, 21.0813, 2.0356



18.3944, 18.1411, 20.6939



23.7128, 11.9744, 12.4041

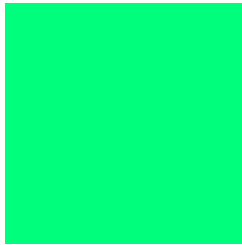


2.3640, 1.1880, 1.4983



# Previews

## White Background



This preview shows how the XYZ color 39.1435, 72.3643, 31.3067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

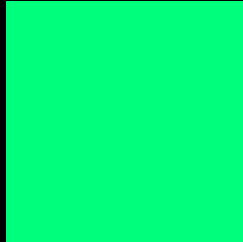
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1435, 72.3643, 31.3067 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 39.1435, 72.3643, 31.3067**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1435, 72.3643, 31.3067.



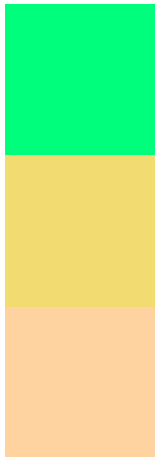
This preview shows how white text looks on a background with the XYZ color 39.1435, 72.3643,



# 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

39.1435, 72.3643, 31.3067

### Protanopia

64.9301, 70.7325, 25.8533

### Deuteranopia

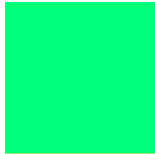
70.8794, 70.3866, 43.1079



## Tritanopia

55.8054, 71.6399, 105.4944

# Trichromacy



## Original Color

39.1435, 72.3643, 31.3067



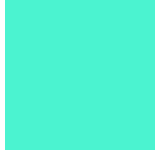
## Protanomaly

45.3939, 65.8676, 27.1508



## Deuteranomaly

47.6358, 64.7261, 37.5865



## Tritanomaly

46.3374, 70.1511, 70.7728

# Monochromacy



## Original Color

39.1435, 72.3643, 31.3067



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

30.8737, 44.5928, 35.4138

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1435, 72.3643, 31.3067 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, 254, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 125)  
}
```

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, 254, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1435, 72.3643, 31.3067 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, 254, 125) }
```



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

```
.border{ border-color:rgb(0, 254, 125) }
```

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

Here you see how a box with a 4 pixel rgb(0, 254, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1435, 72.3643, 31.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 125) }
```

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

```
.background{ background-color: rgb(0, 254,  
125) }
```

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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