

# Converting Colors

XYZ(50.1480, 100.0000,  
36.2653)

Have a look what the booklet for  
XYZ(50.1480, 100.0000, 36.2653)  
contains.

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# Color

**XYZ(39.5259, 73.0264,  
31.7509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF7E
RGB	0, 255, 126
RGB Percent	0%, 100%, 49%
CMY	0.9999, 0.0000, 0.5059
CMYK	1.00, 0.00, 0.51, 0.00
HSL	150°, 100%, 50%
HSV	150°, 100%, 100%
XYZ	39.5259, 73.0264, 31.7509
YIQ	164.0490, -110.5710, -94.1790

# Conversions

## Conversions Part 2

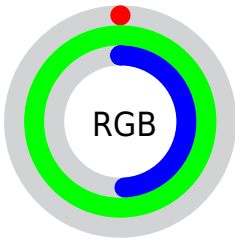
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 171, 255
Decimal	65406
CIELab	88.46, -77.05, 47.48
CIELCh	88, 90.505, 148.359
Yxy	73.0264, 0.2739, 0.5061
Android (android.graphics.Color)	4278255486 (0xFF00FF7E)
YUV	164.0490, -18.7582, -143.8710
Hunter-Lab	85.4555, -66.9851, 37.7897

# Details

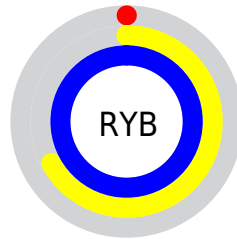
The XYZ color **39.5259, 73.0264, 31.7509** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.2034, 22.8456, 22.8000**, and the grayscale version is **35.4361, 37.2815, 40.5996**.

A 20% lighter version of the original color is **51.3029, 78.5692, 56.1775**, and **21.1689, 40.4135, 12.9882** is the 20% darker color. If you saturate the color by 10%, you get **39.5256, 73.0263, 31.7495**, and if you desaturate by 10%, it is **40.8269, 73.5945, 36.4426**.

# Distribution



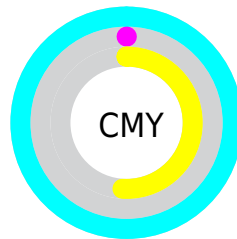
- Red (0%)
- Green (100%)
- Blue (49%)



- 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 39.5259, 73.0264, 31.7509 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 39.5259, 73.0264, 31.7509 by changing the saturation by 10% instead.





 39.5259, 73.0264,  
31.7509


 39.5259, 73.0264,  
31.7509


335.2900,  
471.1063, 324.4406


 27.3517, 53.9975,  
20.9081


 73.7300, 123.5147,  
63.5137


 17.9755, 38.5997,  
12.8662


 96.4905, 155.7429,  
85.2708


 11.0319, 26.4485,  
7.2069


 123.5105,  
193.1397, 111.5031

 6.1558, 17.1594,  
3.5114

 155.1553,  
236.0895, 142.6290

 2.9816, 10.3482,  
1.3613

 191.7903,  
284.9767, 179.0672

 1.1440, 5.6305,  
0.1113

233.7809,

 0.0615, 2.6217,

340.1856, 221.2362

0.0000

281.4923,  
402.1007, 269.5545

■ 0.0000, 0.9376,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.5259, 73.0264,  
31.7509

■ 39.5259, 73.0264,  
31.7509


■ 39.5256, 73.0263,  
31.7495


■ 40.8269, 73.5945,  
36.4426


■ 42.7775, 74.4848,  
41.7442


■ 45.5462, 75.7835,  
47.6837


■ 49.2374, 77.5442,  
54.2843

 53.9389, 79.8115,  
61.5676

 59.7276, 82.6249,  
69.5541

 66.6728, 86.0197,  
78.2630

 74.8377, 90.0282,  
87.7130

 84.2807, 94.6801,  
97.9218

# Harmonies

## Analogous

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



51.3660, 73.0264, 13.7995



39.5259, 73.0264, 31.7509



35.4147, 73.0264, 76.1305

# Triad

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



39.5259, 73.0264, 31.7509



68.2179, 73.0264, 269.5985



113.1403, 73.0264, 35.0846

# Complementary

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



39.5259, 73.0264, 31.7509



45.2034, 22.8456, 22.8000

# 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.



120.2166, 73.0264, 82.9949



39.5259, 73.0264, 31.7509



91.2492, 73.0264, 238.5183

# Square

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



39.5259, 73.0264, 31.7509



49.6865, 73.0264, 231.4509



111.4886, 73.0264, 160.4292



93.7628, 73.0264, 14.8950



# Rectangle

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



39.5259, 73.0264, 31.7509



36.7813, 73.0264, 123.5607



111.4886, 73.0264, 160.4292



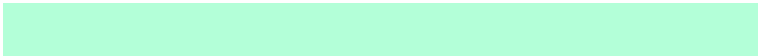
117.1944, 73.0264, 47.4180

# Sweetspot

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



39.5263, 73.0265, 31.7521



66.6684, 86.0176, 78.2577



45.2379, 76.4060, 12.3640



13.6120, 18.0893, 15.9454



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.



39.5263, 73.0265, 31.7521



39.5256, 73.0263, 31.7495



53.1334, 78.4694, 103.4062



18.1458, 20.3178, 21.0705



20.7281, 38.1878, 16.9855



2.0733, 3.7402, 1.9437



# Inverse Universe

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



45.2034, 22.8456, 22.8000



45.2027, 22.8451, 22.7974



41.2635, 21.2697, 2.0531



18.3928, 18.1404, 20.6856



23.6950, 11.9673, 12.3100

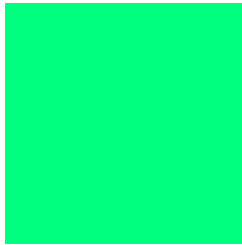


2.3623, 1.1873, 1.4891



# Previews

## White Background



This preview shows how the XYZ color 39.5259, 73.0264, 31.7509 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 39.5259, 73.0264, 31.7509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

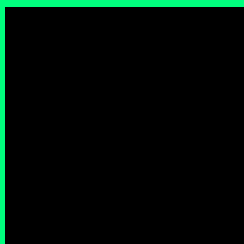
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.5259, 73.0264, 31.7509**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5259, 73.0264, 31.7509.



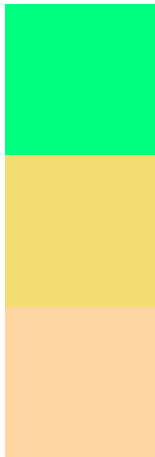
This preview shows how white text looks on a background with the XYZ color 39.5259, 73.0264,



# 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

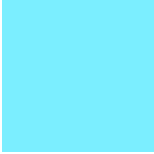
39.5259, 73.0264, 31.7509

### Protanopia

65.5926, 71.4560, 26.2549

### Deuteranopia

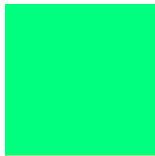
71.3943, 70.9913, 44.5901



## **Tritanopia**

56.7929, 72.5800, 105.6238

# Trichromacy



## Original Color

39.5259, 73.0264, 31.7509



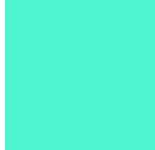
## Protanomaly

45.9265, 66.5544, 27.5652



## Deuteranomaly

48.1487, 65.3702, 38.9342



## Tritanomaly

46.8777, 70.8751, 70.8841

# Monochromacy



## Original Color

39.5259, 73.0264, 31.7509



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

31.1802, 45.0776, 35.9116

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5259, 73.0264, 31.7509 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, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 126)  
}
```

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, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5259, 73.0264, 31.7509 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, 255, 126) }
```



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

```
.border{ border-color:rgb(0, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5259, 73.0264, 31.7509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 126) }
```

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

```
.background{ background-color: rgb(0, 255,  
126) }
```

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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