

# Converting Colors

XYZ(39.9046, 73.1778, 33.7453)

Have a look what the booklet for  
XYZ(39.9046, 73.1778, 33.7453)  
contains.

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# Color

**XYZ(39.9249, 73.1859,  
33.8518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF84
RGB	0, 255, 132
RGB Percent	0%, 100%, 52%
CMY	0.9999, 0.0000, 0.4823
CMYK	1.00, 0.00, 0.48, 0.00
HSL	151°, 100%, 50%
HSV	151°, 100%, 100%
XYZ	39.9249, 73.1859, 33.8518
YIQ	164.7330, -112.4970, -92.3130

# Conversions

## Conversions Part 2

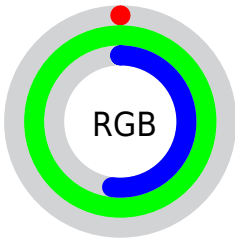
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 168, 255</a>
Decimal	<a href="#">65412</a>
CIELab	<a href="#">88.54, -76.13, 44.75</a>
CIELCh	<a href="#">89, 88.304, 149.554</a>
Yxy	<a href="#">73.1859, 0.2717, 0.4980</a>
Android (android.graphics.Color)	<a href="#">4278255492 (0xFF00FF84)</a>
YUV	<a href="#">164.7330, -16.1374, -144.4708</a>
Hunter-Lab	<a href="#">85.5488, -66.4058, 36.4230</a>

# Details

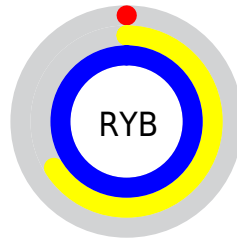
The XYZ color **39.9249, 73.1859, 33.8518** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **44.8168, 22.6911, 20.7637**, and the grayscale version is **35.7531, 37.6150, 40.9628**.

A 20% lighter version of the original color is **51.9321, 78.8209, 59.4906**, and **21.4142, 40.5117, 14.2803** is the 20% darker color. If you saturate the color by 10%, you get **39.9243, 73.1857, 33.8487**, and if you desaturate by 10%, it is **41.2313, 73.7563, 38.5709**.

# Distribution



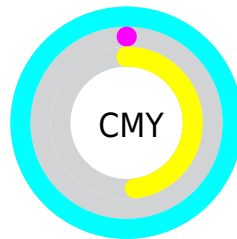
- Red (0%)
- Green (100%)
- Blue (52%)



- Red (0%)
- Yellow (66%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9249, 73.1859, 33.8518 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 39.9249, 73.1859, 33.8518 by changing the saturation by 10% instead.





 39.9249, 73.1859,  
33.8518


 39.9249, 73.1859,  
33.8518


336.9468,  
471.6589, 334.2197


 27.6639, 54.1280,  
22.5033


 74.3342, 123.7411,  
66.8344


 18.2116, 38.7040,  
14.0254


 97.2133, 156.0071,  
89.3056


 11.2027, 26.5295,  
7.9994


 124.3624,  
193.4447, 116.3215

 6.2716, 17.2202,  
4.0068

 156.1470,  
236.4382, 148.3006

 3.0532, 10.3916,  
1.6291

 192.9324,  
285.3719, 185.6614

 1.1819, 5.6594,  
0.3114

235.0839,

 0.0920, 2.6391,

340.6303, 228.8225

0.0000

282.9669,  
402.5979, 278.2024

■ 0.0000, 0.9464,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.9249, 73.1859,  
33.8518

■ 39.9249, 73.1859,  
33.8518


■ 39.9243, 73.1857,  
33.8487


■ 41.2313, 73.7563,  
38.5709


■ 43.1786, 74.6453,  
43.8540


■ 45.9350, 75.9391,  
49.7265


■ 49.6040, 77.6909,  
56.2088

 54.2732, 79.9454,  
63.3200

 60.0189, 82.7417,  
71.0781

 66.9100, 86.1149,  
79.5001

 75.0093, 90.0972,  
88.6024

 84.3749, 94.7181,  
98.4009

# Harmonies

## Analogous

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



51.2760, 73.1859, 15.0551



39.9249, 73.1859, 33.8518



36.1562, 73.1859, 78.7788

# Triad

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



39.9249, 73.1859, 33.8518



69.2432, 73.1859, 263.5606



111.5463, 73.1859, 34.7520

# Complementary

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



39.9249, 73.1859, 33.8518



44.8168, 22.6911, 20.7637

# 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.



118.9944, 73.1859, 80.6022



39.9249, 73.1859, 33.8518



91.7459, 73.1859, 231.1657

# Square

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



39.9249, 73.1859, 33.8518



50.8274, 73.1859, 229.3163



111.1108, 73.1859, 154.9915



92.4106, 73.1859, 15.3572



# Rectangle

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



39.9249, 73.1859, 33.8518



37.7017, 73.1859, 125.6680



111.1108, 73.1859, 154.9915



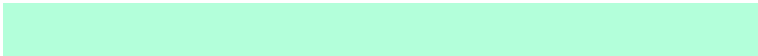
115.6542, 73.1859, 46.5625

# Sweetspot

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



39.9254, 73.1862, 33.8530



66.9027, 86.1113, 79.4915



43.9662, 75.7504, 12.3048



13.6674, 18.1115, 16.2369



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.



39.9254, 73.1862, 33.8530



39.9243, 73.1857, 33.8487



52.4696, 76.0587, 106.5231



18.1642, 20.3252, 21.1676



20.9372, 38.2715, 18.0864



2.0938, 3.7485, 2.0519



# Inverse Universe

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



44.8168, 22.6911, 20.7637



44.8157, 22.6903, 20.7594



41.2865, 21.3528, 1.9462



18.3744, 18.1331, 20.5888



23.4918, 11.8860, 11.2402

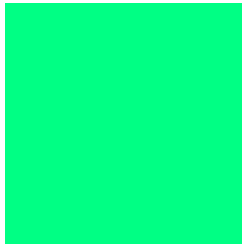


2.3422, 1.1793, 1.3834



# Previews

## White Background



This preview shows how the XYZ color 39.9249, 73.1859, 33.8518 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 39.9249, 73.1859, 33.8518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

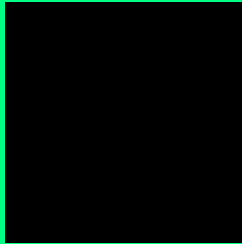
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.9249, 73.1859, 33.8518**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9249, 73.1859, 33.8518.



This preview shows how white text looks on a background with the XYZ color 39.9249, 73.1859,



# Color Blindness Simulation

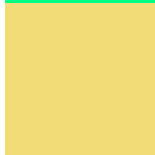
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

39.9249, 73.1859, 33.8518



### Protanopia

65.6013, 71.4197, 28.0971



### Deuteranopia

71.8258, 71.5651, 45.6251



## Tritanopia

56.9367, 72.6542, 105.6305

# Trichromacy



## Original Color

39.9249, 73.1859, 33.8518



## Protanomaly

46.1034, 66.6031, 29.4946



## Deuteranomaly

48.3935, 65.4681, 40.2230



## Tritanomaly

47.2080, 71.0168, 72.1923

# Monochromacy



## Original Color

39.9249, 73.1859, 33.8518



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

31.7696, 45.6913, 37.2819

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9249, 73.1859, 33.8518 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9249, 73.1859, 33.8518 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, 132) }
```



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

```
.border{ border-color:rgb(0, 255, 132) }
```

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, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9249, 73.1859, 33.8518 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, 132) }
```

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

```
.background{ background-color: rgb(0, 255,  
132) }
```

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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