

# Converting Colors

XYZ(39.0974, 72.8550, 29.4944)

Have a look what the booklet for  
XYZ(39.0974, 72.8550, 29.4944)  
contains.

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# Color

**XYZ(39.0898, 72.8519,  
29.4543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF77
RGB	0, 255, 119
RGB Percent	0%, 100%, 47%
CMY	0.9999, 0.0000, 0.5333
CMYK	1.00, 0.00, 0.53, 0.00
HSL	148°, 100%, 50%
HSV	148°, 100%, 100%
XYZ	39.0898, 72.8519, 29.4543
YIQ	163.2510, -108.3240, -96.3560

# Conversions

## Conversions Part 2

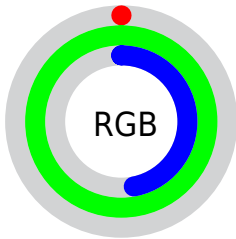
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 174, 255
Decimal	65399
CIELab	88.38, -78.07, 50.61
CIELCh	88, 93.041, 147.045
Yxy	72.8519, 0.2765, 0.5152
Android (android.graphics.Color)	4278255479 (0xFF00FF77)
YUV	163.2510, -21.8157, -143.1711
Hunter-Lab	85.3533, -67.6195, 39.2871

# Details

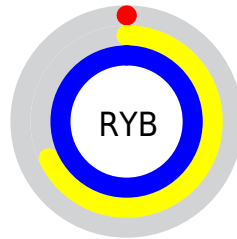
The XYZ color **39.0898, 72.8519, 29.4543** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.6852, 23.0384, 25.3369**, and the grayscale version is **35.0705, 36.8969, 40.1807**.

A 20% lighter version of the original color is **50.6024, 78.2890, 52.4887**, and **20.7233, 39.8732, 11.7583** is the 20% darker color. If you saturate the color by 10%, you get **39.0894, 72.8518, 29.4524**, and if you desaturate by 10%, it is **40.3801, 73.4159, 34.0896**.

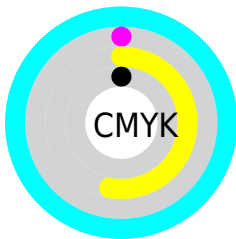
# Distribution



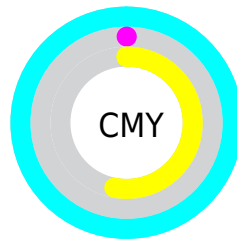
- Red (0%)
- Green (100%)
- Blue (47%)



- Red (0%)
- Yellow (68%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0898, 72.8519, 29.4543 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 39.0898, 72.8519, 29.4543 by changing the saturation by 10% instead.





 39.0898, 72.8519,  
29.4543


 39.0898, 72.8519,  
29.4543


333.4727,  
470.5014, 313.4802


 27.0106, 53.8549,  
19.1762


 73.0687, 123.2669,  
59.8489


 17.7178, 38.4856,  
11.6196


 95.6991, 155.4537,  
80.8025

 10.8461, 26.3598,  
6.3658


 122.5773,  
192.8059, 106.1516

 6.0299, 17.0930,  
2.9964

 154.0687,  
235.7079, 136.3149

 2.9041, 10.3008,  
1.0928

 190.5385,  
284.5440, 171.7109

 1.1033, 5.5989,  
0.0000

232.3523,

 0.0279, 2.6027,

339.6987, 212.7581

0.0000

279.8752,  
401.5564, 259.8750

■ 0.0000, 0.9280,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.0898, 72.8519,  
29.4543

■ 39.0898, 72.8519,  
29.4543


■ 39.0894, 72.8518,  
29.4524


■ 40.3801, 73.4159,  
34.0896


■ 42.3304, 74.3060,  
39.3892


■ 45.1100, 75.6091,  
45.3850


■ 48.8237, 77.3787,  
52.1038

 53.5601, 79.6601,  
59.5705

 59.3968, 82.4927,  
67.8086

 66.4034, 85.9121,  
76.8405

 74.6438, 89.9507,  
86.6875

 84.1771, 94.6387,  
97.3703

# Harmonies

## Analogous

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



51.4895, 72.8519, 12.4578



39.0898, 72.8519, 29.4543



34.5918, 72.8519, 73.1483

# Triad

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



39.0898, 72.8519, 29.4543



67.0524, 72.8519, 276.5503



114.9854, 72.8519, 35.5019

# Complementary

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



39.0898, 72.8519, 29.4543



45.6852, 23.0384, 25.3369

# 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.



121.6163, 72.8519, 85.8364



39.0898, 72.8519, 29.4543



90.6710, 72.8519, 247.1051

# Square

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



39.0898, 72.8519, 29.4543



48.4049, 72.8519, 233.8219



111.9077, 72.8519, 166.8379



95.3401, 72.8519, 14.3967



# Rectangle

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



39.0898, 72.8519, 29.4543



35.7568, 72.8519, 121.1283



111.9077, 72.8519, 166.8379



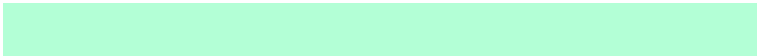
118.9719, 72.8519, 48.4490

# Sweetspot

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



39.0902, 72.8521, 29.4555



66.3980, 85.9094, 76.8337



46.6189, 77.1179, 12.4287



13.5482, 18.0638, 15.6095



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.



39.0902, 72.8521, 29.4555



39.0894, 72.8518, 29.4524



51.8250, 77.9460, 96.5157



18.1243, 20.3093, 20.9576



20.4989, 38.0961, 15.7782



2.0505, 3.7311, 1.8236



# Inverse Universe

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



45.6852, 23.0384, 25.3369



45.6844, 23.0377, 25.3337



41.3114, 21.2889, 2.3048



18.4144, 18.1491, 20.7992



23.9473, 12.0682, 13.6388

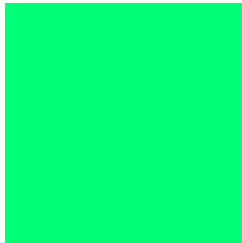


2.3869, 1.1971, 1.6188



# Previews

## White Background



This preview shows how the XYZ color 39.0898, 72.8519, 29.4543 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 39.0898, 72.8519, 29.4543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

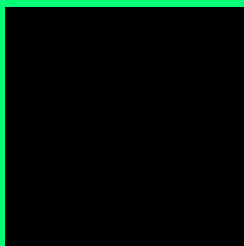
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.0898, 72.8519, 29.4543**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0898, 72.8519, 29.4543.



This preview shows how white text looks on a background with the XYZ color 39.0898, 72.8519,



# Color Blindness Simulation

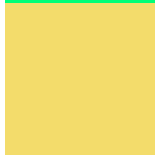
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

39.0898, 72.8519, 29.4543



### Protanopia

65.2092, 71.3026, 24.2358



### Deuteranopia

71.1286, 70.8850, 43.1910



## Tritanopia

56.6506, 72.5066, 105.6171

# Trichromacy



## Original Color

39.0898, 72.8519, 29.4543



## Protanomaly

45.5257, 66.3941, 25.4548



## Deuteranomaly

47.7545, 65.2125, 36.8584



## Tritanomaly

46.6331, 70.7773, 69.5961

# Monochromacy



## Original Color

39.0898, 72.8519, 29.4543



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

30.7153, 44.5295, 34.5799

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0898, 72.8519, 29.4543 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0898, 72.8519, 29.4543 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, 119) }
```



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

```
.border{ border-color:rgb(0, 255, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0898, 72.8519, 29.4543 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, 119) }
```

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

```
.background{ background-color: rgb(0, 255,  
119) }
```

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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