

Converting Colors

XYZ(24.4761, 60.8194, 43.3944)

Have a look what the booklet for
XYZ(24.4761, 60.8194, 43.3944)
contains.

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Color

**XYZ(39.2138, 68.4147,
43.9395)**

Conversions

Conversions Part 1

Format	Color
Hex	00F69F
RGB	0, 246, 159
RGB Percent	0%, 96%, 62%
CMY	0.9999, 0.0353, 0.3765
CMYK	1.00, 0.00, 0.35, 0.04
HSL	159°, 100%, 48%
HSV	159°, 100%, 96%
XYZ	39.2138, 68.4147, 43.9395
YIQ	162.5280, -118.6890, -79.2090

Conversions

Conversions Part 2

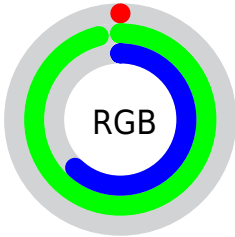
Format	Color
RYB	0, 149, 246
Decimal	63135
CIELab	86.21, -68.35, 28.43
CIELCh	86, 74.030, 157.413
Yxy	68.4147, 0.2587, 0.4514
Android (android.graphics.Color)	4278253215 (0xFF00F69F)
YUV	162.5280, -1.7393, -142.5371
Hunter-Lab	82.7132, -60.1223, 26.4028

Details

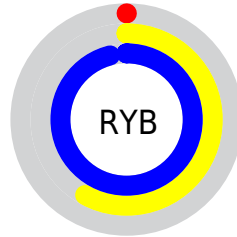
The XYZ color **39.2138, 68.4147, 43.9395** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **39.7294, 20.2828, 10.8447**, and the grayscale version is **34.6435, 36.4476, 39.6915**.

A 20% lighter version of the original color is **54.7077, 79.8858, 76.1544**, and **20.6371, 37.0280, 19.9693** is the 20% darker color. If you saturate the color by 10%, you get **39.2143, 68.4168, 43.9361**, and if you desaturate by 10%, it is **40.3891, 68.9321, 48.0778**.

Distribution



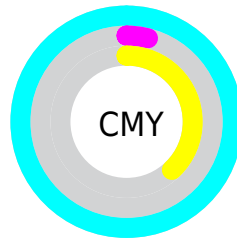
- Red (0%)
- Green (96%)
- Blue (62%)



- Red (0%)
- Yellow (58%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2138, 68.4147, 43.9395 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 39.2138, 68.4147, 43.9395 by changing the saturation by 10% instead.


 39.2138, 68.4147,
43.9395


 39.2138, 68.4147,
43.9395


333.9902,
454.9639, 378.4955


 27.1076, 50.2352,
30.2861


 73.2568, 116.9452,
82.4282


 17.7910, 35.6003,
19.8020


 95.9243, 148.0650,
108.1006

 10.8988, 24.1257,
12.0685


 122.8429,
184.2670, 138.6164

 6.0656, 15.4269,
6.6673

 154.3779,
225.9356, 174.3941

 2.9261, 9.1195,
3.1796

 190.8949,
273.4552, 215.8524

 1.1148, 4.8192,
1.1871

232.7590,

 0.0374, 2.1416,

327.2102, 263.4097

0.0000

280.3356,
387.5850, 317.4845

■ 0.0000, 0.6879,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2138, 68.4147,
43.9395

■ 39.2138, 68.4147,
43.9395

■ 39.2143, 68.4168,
43.9361

■ 40.3891, 68.9321,
48.0778

■ 42.1114, 69.7233,
52.5232

■ 44.5362, 70.8704,
57.2898

■ 47.7567, 72.4211,
62.3873

■ 51.8510, 74.4157,
67.8243

■ 56.8876, 76.8893,
73.6089

■ 62.9280, 79.8736,
79.7489

■ 70.0282, 83.3973,
86.2517

■ 78.2400, 87.4871,
93.1242

Harmonies

Analogous

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



47.0750, 68.4147, 22.0394



39.2138, 68.4147, 43.9395



37.6363, 68.4147, 87.2718

Triad

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



39.2138, 68.4147, 43.9395



69.3475, 68.4147, 211.7484



94.6914, 68.4147, 30.7749

Complementary

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



39.2138, 68.4147, 43.9395



39.7294, 20.2828, 10.8447

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.



103.2484, 68.4147, 63.0250



39.2138, 68.4147, 43.9395



87.0434, 68.4147, 176.7029

Square

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



39.2138, 68.4147, 43.9395



53.2310, 68.4147, 199.1324



100.2291, 68.4147, 116.6800



78.4463, 68.4147, 17.0872

Rectangle

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



39.2138, 68.4147, 43.9395



40.0522, 68.4147, 126.6105



100.2291, 68.4147, 116.6800



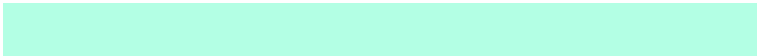
98.6809, 68.4147, 39.0914

Sweetspot

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



39.2156, 68.4174, 43.9411



68.2305, 86.6424, 86.4840



37.1951, 68.0987, 11.1849



13.9830, 18.2377, 17.8988



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.



39.2156, 68.4174, 43.9411



42.5339, 74.2295, 47.5907



40.4820, 54.3472, 95.5484



16.7333, 18.6525, 19.8799



20.9994, 36.5446, 23.8146



1.8944, 3.2314, 2.3496

Inverse Universe

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



39.7294, 20.2828, 10.8447



43.0937, 22.0015, 11.6916



38.5467, 20.6717, 1.9593



16.7412, 16.5793, 18.3838



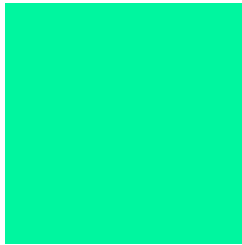
21.2649, 10.8494, 6.1032



1.9160, 0.9723, 0.7838

Previews

White Background



This preview shows how the XYZ color 39.2138, 68.4147, 43.9395 looks on a white background.

Color Contrast Check

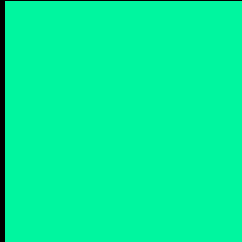
Large Text (above 18pt) WCAG AA × Fail

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 39.2138, 68.4147, 43.9395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

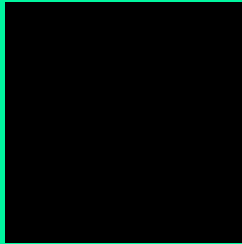
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2138, 68.4147, 43.9395

Background



This preview shows how black text looks on a background with the XYZ color 39.2138, 68.4147, 43.9395.



This preview shows how white text looks on a background with the XYZ color 39.2138, 68.4147,

Color Blindness Simulation

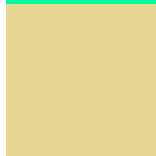
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.2138, 68.4147, 43.9395



Protanopia

62.1124, 67.1264, 36.4711



Deuteranopia

68.3235, 66.8138, 46.3411



Tritanopia

50.9902, 67.9159, 103.3501

Trichromacy



Original Color

39.2138, 68.4147, 43.9395



Protanomaly

44.7340, 62.7978, 38.6176



Deuteranomaly

46.6828, 61.2739, 44.9639



Tritanomaly

44.9363, 67.0758, 77.5964

Monochromacy



Original Color

39.2138, 68.4147, 43.9395



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.3005, 43.6916, 40.9660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2138, 68.4147, 43.9395 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, 246, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 159)  
}
```

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, 246, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 159) }
```

Border

The CSS property to change the border of an element to XYZ 39.2138, 68.4147, 43.9395 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, 246, 159) }
```


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

```
.border{ border-color:rgb(0, 246, 159) }
```

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

Here you see how a box with a 4 pixel rgb(0, 246, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 246,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2138, 68.4147, 43.9395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 159) }
```

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

```
.background{ background-color: rgb(0, 246,  
159) }
```

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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