

Converting Colors

XYZ(39.2463, 70.4068, 37.4612)

Have a look what the booklet for
XYZ(39.2463, 70.4068, 37.4612)
contains.

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Color

**XYZ(39.2562, 70.4125,
37.5086)**

Conversions

Conversions Part 1

Format	Color
Hex	09FA8F
RGB	9, 250, 143
RGB Percent	4%, 98%, 56%
CMY	0.9646, 0.0196, 0.4392
CMYK	0.96, 0.00, 0.43, 0.02
HSL	153°, 96%, 51%
HSV	153°, 96%, 98%
XYZ	39.2562, 70.4125, 37.5086
YIQ	165.7430, -109.2890, -84.3690

Conversions

Conversions Part 2

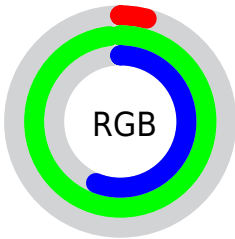
Format	Color
RYB	9, 164, 250
Decimal	653967
CIELab	87.20, -72.46, 37.73
CIELCh	87, 81.698, 152.497
Yxy	70.4125, 0.2667, 0.4784
Android (android.graphics.Color)	4278844047 (0xFF09FA8F)
YUV	165.7430, -11.2123, -137.4636
Hunter-Lab	83.9122, -63.3395, 32.2360

Details

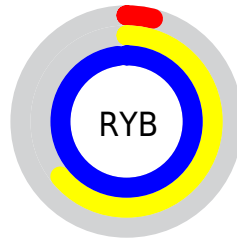
The XYZ color **39.2562, 70.4125, 37.5086** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **42.6773, 21.7820, 18.4842**, and the grayscale version is **36.2154, 38.1014, 41.4924**.

A 20% lighter version of the original color is **53.0233, 79.2421, 65.9267**, and **20.7380, 38.4546, 16.2270** is the 20% darker color. If you saturate the color by 10%, you get **38.8470, 70.2379, 35.9353**, and if you desaturate by 10%, it is **40.6886, 71.0508, 42.1868**.

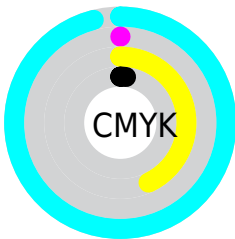
Distribution



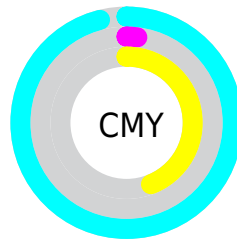
- Red (4%)
- Green (98%)
- Blue (56%)



- Red (4%)
- Yellow (64%)
- Blue (98%)



- Cyan (96%)
- Magenta (0%)
- Yellow (43%)
- Black (2%)





- Cyan (96%)
- Magenta (2%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2562, 70.4125, 37.5086 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 39.2562, 70.4125, 37.5086 by changing the saturation by 10% instead.


 39.2562, 70.4125,
37.5086


 39.2562, 70.4125,
37.5086


334.1670,
461.9970, 350.7420


 27.1407, 51.8629,
25.3027


 73.3211, 119.7968,
72.5494


 17.8161, 36.8958,
16.0816


 96.0012, 151.4003,
96.2213


 10.9169, 25.1268,
9.4269


 122.9336,
188.1239, 124.5522

 6.0779, 16.1716,
4.9201

 154.4836,
230.3520, 157.9608

 2.9336, 9.6456,
2.1425

 191.0166,
278.4690, 196.8656

 1.1187, 5.1646,
0.6409

232.8979,

 0.0407, 2.3442,

332.8592, 241.6850

0.0000

280.4929,
393.9071, 292.8376

■ 0.0000, 0.7969,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2562, 70.4125,
37.5086

■ 39.2562, 70.4125,
37.5086

■ 38.8470, 70.2379,
35.9353

■ 40.6886, 71.0508,
42.1868

■ 42.8019, 72.0283,
47.3418

■ 45.7116, 73.4063,
52.9922

■ 49.5093, 75.2317,
59.1533

■ 54.2734, 77.5446,
65.8397

■ 60.0732, 80.3806,
73.0649

■ 66.9716, 83.7718,
80.8421

■ 75.0260, 87.7478,
89.1836

■ 84.2900, 92.3357,
98.1015

Harmonies

Analogous

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



49.0041, 70.4125, 17.6374



39.2562, 70.4125, 37.5086



36.4312, 70.4125, 81.3616

Triad

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



39.2562, 70.4125, 37.5086



68.5446, 70.4125, 237.9733



103.0924, 70.4125, 32.7744

Complementary

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



39.2562, 70.4125, 37.5086



42.6773, 21.7820, 18.4842

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.



110.9382, 70.4125, 72.1570



39.2562, 70.4125, 37.5086



88.7557, 70.4125, 204.6847

Square

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



39.2562, 70.4125, 37.5086



51.2999, 70.4125, 213.6689



105.2504, 70.4125, 136.5071



85.4386, 70.4125, 15.9655

Rectangle

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



39.2562, 70.4125, 37.5086



38.3102, 70.4125, 124.5924



105.2504, 70.4125, 136.5071



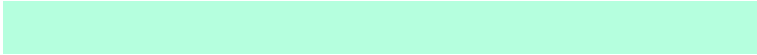
107.1017, 70.4125, 42.9415

Sweetspot

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



39.2580, 70.4153, 37.5102



68.0347, 86.6326, 82.3592



41.6348, 72.2077, 12.0021



13.9004, 18.2176, 16.8835



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.



39.2580, 70.4153, 37.5102



40.6257, 73.4663, 37.5423



47.9303, 68.0835, 101.0612



17.4214, 19.4708, 20.4197



20.6785, 37.2844, 19.4482



1.9686, 3.4745, 2.0823

Inverse Universe

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



42.6773, 21.7820, 18.4842



44.2333, 22.4573, 17.6924



39.7447, 20.8834, 2.1951



17.5648, 17.3533, 19.5642



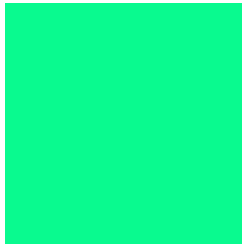
22.5038, 11.4172, 9.3613



2.1367, 1.0784, 1.1430

Previews

White Background



This preview shows how the XYZ color 39.2562, 70.4125, 37.5086 looks on a white background.

Color Contrast Check

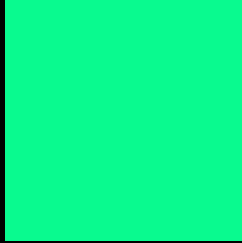
Large Text (above 18pt) WCAG AA × Fail

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 39.2562, 70.4125, 37.5086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

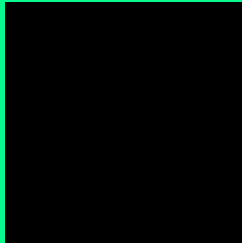
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2562, 70.4125, 37.5086

Background



This preview shows how black text looks on a background with the XYZ color 39.2562, 70.4125, 37.5086.



This preview shows how white text looks on a background with the XYZ color 39.2562, 70.4125,

Color Blindness Simulation

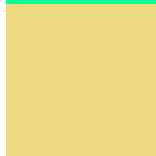
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.2562, 70.4125, 37.5086



Protanopia

63.5102, 68.7280, 31.0376



Deuteranopia

69.9674, 68.8404, 41.9476



Tritanopia

53.1910, 69.8636, 105.2893

Trichromacy



Original Color

39.2562, 70.4125, 37.5086



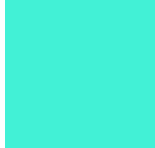
Protanomaly

45.4430, 64.1061, 32.9003



Deuteranomaly

47.8633, 63.1823, 39.8097



Tritanomaly

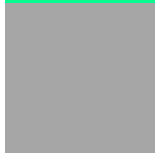
45.8397, 68.9239, 74.5060

Monochromacy



Original Color

39.2562, 70.4125, 37.5086



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.4445, 45.6523, 39.4495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2562, 70.4125, 37.5086 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(9, 250, 143)` looks like.

```
.text, #text, p{  
    color:rgb(9, 250, 143)  
}
```

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(9, 250, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 250, 143) }
```

Border

The CSS property to change the border of an element to XYZ 39.2562, 70.4125, 37.5086 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(9, 250, 143) }
```


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

```
.border{ border-color:rgb(9, 250, 143) }
```

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

Here you see how a box with a 4 pixel rgb(9, 250, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 250, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 250, 143);  
box-shadow:4px 4px 4px 4px rgb(9, 250,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2562, 70.4125, 37.5086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 250, 143) }
```

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

```
.background{ background-color: rgb(9, 250,  
143) }
```

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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