

Converting Colors

XYZ(39.9167, 71.8903, 37.7898)

Have a look what the booklet for
XYZ(39.9167, 71.8903, 37.7898)
contains.

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Color

**XYZ(39.7683, 71.6040,
37.7115)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC8F
RGB	0, 252, 143
RGB Percent	0%, 99%, 56%
CMY	0.9999, 0.0117, 0.4392
CMYK	1.00, 0.00, 0.43, 0.01
HSL	154°, 100%, 49%
HSV	154°, 100%, 99%
XYZ	39.7683, 71.6040, 37.7115
YIQ	164.2260, -115.2030, -87.3230

Conversions

Conversions Part 2

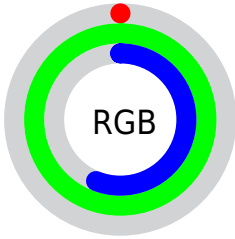
Format	Color
RYB	0, 161, 252
Decimal	64655
CIELab	87.78, -73.35, 38.47
CIELCh	88, 82.826, 152.322
Yxy	71.6040, 0.2668, 0.4803
Android (android.graphics.Color)	4278254735 (0xFF00FC8F)
YUV	164.2260, -10.4644, -144.0262
Hunter-Lab	84.6191, -64.1942, 32.8101

Details

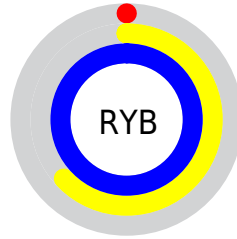
The XYZ color **39.7683, 71.6040, 37.7115** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **42.9080, 21.8012, 16.4199**, and the grayscale version is **35.4854, 37.3334, 40.6560**.

A 20% lighter version of the original color is **53.0233, 79.2421, 65.9267**, and **21.1801, 39.3389, 16.3744** is the 20% darker color. If you saturate the color by 10%, you get **39.7693, 71.6065, 37.7101**, and if you desaturate by 10%, it is **41.0428, 72.1628, 42.2955**.

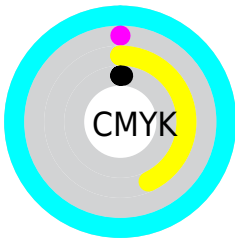
Distribution



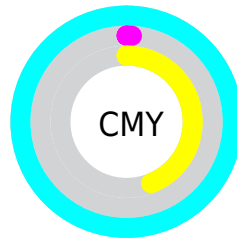
- Red (0%)
- Green (99%)
- Blue (56%)



- Red (0%)
- Yellow (63%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7683, 71.6040, 37.7115 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 39.7683, 71.6040, 37.7115 by changing the saturation by 10% instead.


 39.7683, 71.6040,
37.7115


 39.7683, 71.6040,
37.7115


336.2972,
466.1621, 351.6418


 27.5413, 52.8353,
25.4588


 74.0971, 121.4934,
72.8642


 18.1189, 37.6713,
16.1971


 96.9297, 153.3828,
96.6013


 11.1356, 25.7277,
9.5078


 124.0283,
190.4145, 125.0036

 6.2261, 16.6200,
4.9726

 155.7581,
232.9730, 158.4896

 3.0250, 9.9639,
2.1727

 192.4845,
281.4426, 197.4779

 1.1670, 5.3751,
0.6586

234.5730,

 0.0801, 2.4690,

336.2077, 242.3870

0.0000

282.3887,
397.6527, 293.6354

■ 0.0000, 0.8610,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.7683, 71.6040,
37.7115

■ 39.7683, 71.6040,
37.7115

■ 39.7693, 71.6065,
37.7101

■ 41.0428, 72.1628,
42.2955

■ 42.9216, 73.0218,
47.3366

■ 45.5694, 74.2674,
52.8550

■ 49.0859, 75.9508,
58.8660

■ 53.5551, 78.1151,
65.3837

■ 59.0506, 80.7981,
72.4215

■ 65.6384, 84.0335,
79.9920

■ 73.3789, 87.8522,
88.1074

■ 82.3277, 92.2829,
96.7793

Harmonies

Analogous

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



49.7793, 71.6040, 17.5941



39.7683, 71.6040, 37.7115



36.8413, 71.6040, 82.4337

Triad

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



39.7683, 71.6040, 37.7115



69.6005, 71.6040, 243.8955



105.2641, 71.6040, 33.2211

Complementary

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



39.7683, 71.6040, 37.7115



42.9080, 21.8012, 16.4199

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.



113.2505, 71.6040, 73.6600



39.7683, 71.6040, 37.7115



90.3378, 71.6040, 209.9161

Square

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



39.7683, 71.6040, 37.7115



51.9641, 71.6040, 218.5203



107.3258, 71.6040, 139.8451



87.1715, 71.6040, 16.0178

Rectangle

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



39.7683, 71.6040, 37.7115



38.7338, 71.6040, 126.7399



107.3258, 71.6040, 139.8451



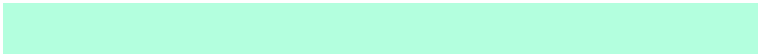
109.3614, 71.6040, 43.6489

Sweetspot

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



39.7701, 71.6069, 37.7131



67.4076, 86.3133, 82.1504



41.1446, 72.8882, 11.9008



13.7870, 18.1593, 16.8670



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.



39.7701, 71.6069, 37.7131



40.8474, 73.5549, 38.7096



47.3387, 66.5629, 102.4519



17.4300, 19.4743, 20.4651



20.7909, 37.3294, 20.0400



1.9788, 3.4786, 2.1361

Inverse Universe

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



42.9080, 21.8012, 16.4199



44.0711, 22.3924, 16.8384



40.3442, 21.0915, 1.9452



17.5563, 17.3499, 19.5195



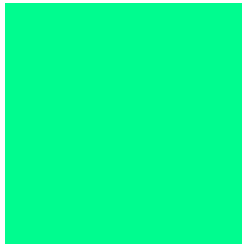
22.4207, 11.3840, 8.9238



2.1286, 1.0752, 1.1006

Previews

White Background



This preview shows how the XYZ color 39.7683, 71.6040, 37.7115 looks on a white background.

Color Contrast Check

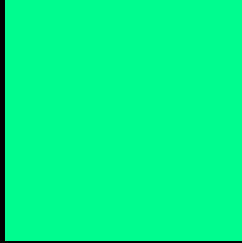
Large Text (above 18pt) WCAG AA × Fail

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 39.7683, 71.6040, 37.7115 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 39.7683, 71.6040, 37.7115

Background



This preview shows how black text looks on a background with the XYZ color 39.7683, 71.6040, 37.7115.



This preview shows how white text looks on a background with the XYZ color 39.7683, 71.6040,

Color Blindness Simulation

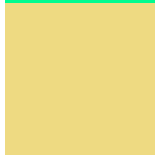
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.7683, 71.6040, 37.7115



Protanopia

64.3606, 69.9317, 31.2251



Deuteranopia

70.8975, 69.9975, 44.4245



Tritanopia

54.8897, 71.1679, 105.4515

Trichromacy



Original Color

39.7683, 71.6040, 37.7115



Protanomaly

45.4325, 64.9222, 33.0584



Deuteranomaly

47.8263, 63.9321, 41.2719



Tritanomaly

46.4883, 69.6989, 74.6214

Monochromacy



Original Color

39.7683, 71.6040, 37.7115



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.4496, 44.8232, 38.4467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7683, 71.6040, 37.7115 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, 252, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 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(0, 252, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 143) }
```

Border

The CSS property to change the border of an element to XYZ 39.7683, 71.6040, 37.7115 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, 252, 143) }
```


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

```
.border{ border-color:rgb(0, 252, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7683, 71.6040, 37.7115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 143) }
```

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

```
.background{ background-color: rgb(0, 252,  
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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