

Converting Colors

XYZ(39.4323, 72.9971, 30.8891)

Have a look what the booklet for
XYZ(39.4323, 72.9971, 30.8891)
contains.

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Color

**XYZ(39.4103, 72.9888,
30.7500)**

Conversions

Conversions Part 1

Format	Color
Hex	06FF7B
RGB	6, 255, 123
RGB Percent	2%, 100%, 48%
CMY	0.9764, 0.0000, 0.5176
CMYK	0.98, 0.00, 0.52, 0.00
HSL	148°, 100%, 51%
HSV	148°, 98%, 100%
XYZ	39.4103, 72.9888, 30.7500
YIQ	165.5010, -106.0320, -93.8400

Conversions

Conversions Part 2

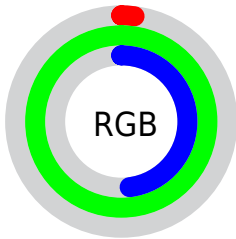
Format	Color
RYB	6, 175, 255
Decimal	458619
CIELab	88.44, -77.34, 48.86
CIELCh	88, 91.478, 147.719
Yxy	72.9888, 0.2753, 0.5099
Android (android.graphics.Color)	4278648699 (0xFF06FF7B)
YUV	165.5010, -20.9530, -139.8824
Hunter-Lab	85.4335, -67.1669, 38.4632

Details

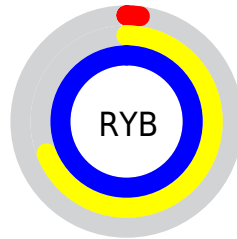
The XYZ color **39.4103, 72.9888, 30.7500** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.8939, 23.2261, 26.1147**, and the grayscale version is **36.1417, 38.0239, 41.4080**.

A 20% lighter version of the original color is **51.1320, 78.5163, 54.5797**, and **21.0717, 40.3747, 12.4769** is the 20% darker color. If you saturate the color by 10%, you get **39.1388, 72.8715, 29.7126**, and if you desaturate by 10%, it is **40.8220, 73.6119, 35.5446**.

Distribution



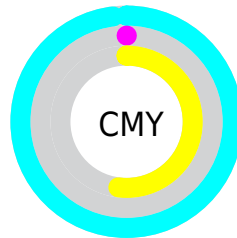
- Red (2%)
- Green (100%)
- Blue (48%)



- Red (2%)
- Yellow (69%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4103, 72.9888, 30.7500 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 39.4103, 72.9888, 30.7500 by changing the saturation by 10% instead.


 39.4103, 72.9888,
30.7500


 39.4103, 72.9888,
30.7500


334.8090,
470.9760, 319.7004


 27.2612, 53.9668,
20.1517


 73.5548, 123.4613,
61.9212


 17.9071, 38.5751,
12.3202


 96.2809, 155.6806,
83.3312


 10.9826, 26.4294,
6.8369


 123.2633,
193.0678, 109.1821

 6.1223, 17.1451,
3.2834

 154.8676,
236.0073, 139.8926

 2.9610, 10.3380,
1.2411

 191.4589,
284.8835, 175.8811

 1.1332, 5.6236,
0.0128

233.4027,

 0.0526, 2.6176,

340.0807, 217.5662

0.0000

281.0642,
401.9834, 265.3665

■ 0.0000, 0.9355,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4103, 72.9888,
30.7500

■ 39.4103, 72.9888,
30.7500


■ 39.1388, 72.8715,
29.7126


■ 40.8220, 73.6119,
35.5446


■ 42.9567, 74.5937,
41.0055


■ 45.9461, 76.0016,
47.1621


■ 49.8903, 77.8868,
54.0402

 54.8747, 80.2928,
61.6640

 60.9748, 83.2580,
70.0564

 68.2588, 86.8174,
79.2391

 76.7892, 91.0026,
89.2330

 86.6239, 95.8432,
100.0580

Harmonies

Analogous

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



51.5035, 72.9888, 13.2436



39.4103, 72.9888, 30.7500



35.1159, 72.9888, 74.7487

Triad

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



39.4103, 72.9888, 30.7500



67.7041, 72.9888, 272.3169



113.9488, 72.9888, 35.3999

Complementary

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



39.4103, 72.9888, 30.7500



45.8939, 23.2261, 26.1147

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.



120.7911, 72.9888, 84.3910



39.4103, 72.9888, 30.7500



90.9622, 72.9888, 242.1330

Square

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



39.4103, 72.9888, 30.7500



49.1500, 72.9888, 232.1428



111.6217, 72.9888, 163.2941



94.4996, 72.9888, 14.7577

Rectangle

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



39.4103, 72.9888, 30.7500



36.3839, 72.9888, 122.3270



111.6217, 72.9888, 163.2941



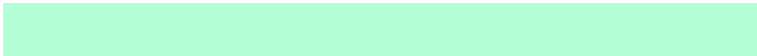
117.9584, 72.9888, 48.0162

Sweetspot

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



39.4107, 72.9890, 30.7512



67.1961, 86.2971, 77.9428



46.4085, 77.0057, 12.5904



13.7011, 18.1378, 15.8336



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.



39.4107, 72.9890, 30.7512



39.1388, 72.8715, 29.7126



52.5777, 78.2558, 100.0874



18.1268, 20.3103, 20.9708



20.5249, 38.1065, 15.9151



2.0531, 3.7322, 1.8373

Inverse Universe

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



45.8939, 23.2261, 26.1147



45.6264, 23.0145, 25.0283



41.3868, 21.4232, 2.3806



18.4118, 18.1480, 20.7859



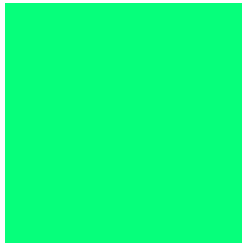
23.9169, 12.0561, 13.4789



2.3839, 1.1959, 1.6032

Previews

White Background



This preview shows how the XYZ color 39.4103, 72.9888, 30.7500 looks on a white background.

Color Contrast Check

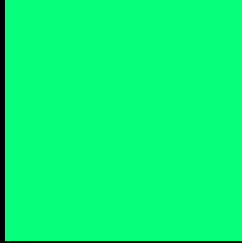
Large Text (above 18pt) WCAG AA × Fail

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 39.4103, 72.9888, 30.7500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

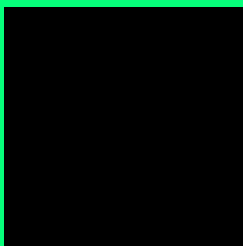
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

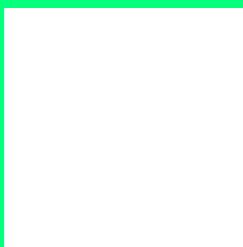
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4103, 72.9888, 30.7500

Background



This preview shows how black text looks on a background with the XYZ color 39.4103, 72.9888, 30.7500.

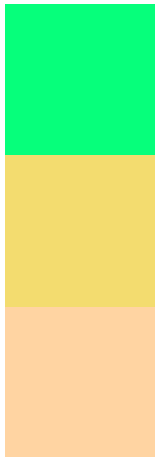


This preview shows how white text looks on a background with the XYZ color 39.4103, 72.9888,

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

39.4103, 72.9888, 30.7500

Protanopia

65.4246, 71.3888, 25.3701

Deuteranopia

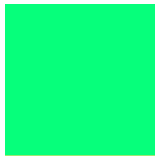
71.3051, 70.9556, 44.1200



Tritanopia

56.6506, 72.5066, 105.6171

Trichromacy



Original Color

39.4103, 72.9888, 30.7500



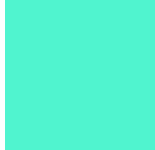
Protanomaly

46.1381, 66.6837, 26.6592



Deuteranomaly

48.3985, 65.5174, 38.1122



Tritanomaly

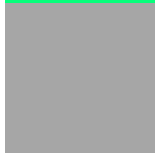
46.9214, 70.9118, 70.2458

Monochromacy



Original Color

39.4103, 72.9888, 30.7500



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.8834, 45.7783, 36.0098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4103, 72.9888, 30.7500 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(6, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(6, 255, 123)  
}
```

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(6, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 123) }
```

Border

The CSS property to change the border of an element to XYZ 39.4103, 72.9888, 30.7500 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(6, 255, 123) }
```


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

```
.border{ border-color:rgb(6, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(6, 255,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4103, 72.9888, 30.7500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 123) }
```

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

```
.background{ background-color: rgb(6, 255,  
123) }
```

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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