

Converting Colors

XYZ(39.2785, 72.9274, 30.4481)

Have a look what the booklet for
XYZ(39.2785, 72.9274, 30.4481)
contains.

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Color

**XYZ(39.2729, 72.9251,
30.4184)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF7A
RGB	0, 255, 122
RGB Percent	0%, 100%, 48%
CMY	0.9999, 0.0000, 0.5216
CMYK	1.00, 0.00, 0.52, 0.00
HSL	149°, 100%, 50%
HSV	149°, 100%, 100%
XYZ	39.2729, 72.9251, 30.4184
YIQ	163.5930, -109.2870, -95.4230

Conversions

Conversions Part 2

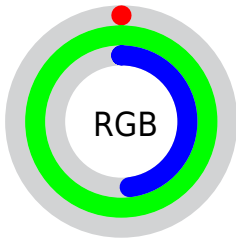
Format	Color
RYB	0, 172, 255
Decimal	65402
CIELab	88.41, -77.64, 49.28
CIELCh	88, 91.959, 147.598
Yxy	72.9251, 0.2754, 0.5113
Android (android.graphics.Color)	4278255482 (0xFF00FF7A)
YUV	163.5930, -20.5053, -143.4711
Hunter-Lab	85.3962, -67.3529, 38.6580

Details

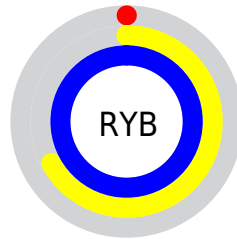
The XYZ color **39.2729, 72.9251, 30.4184** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.4752, 22.9545, 24.2310**, and the grayscale version is **35.2277, 37.0623, 40.3609**.

A 20% lighter version of the original color is **50.8983, 78.4073, 54.0465**, and **20.8141, 39.9095, 12.2365** is the 20% darker color. If you saturate the color by 10%, you get **39.2724, 72.9249, 30.4158**, and if you desaturate by 10%, it is **40.5686, 73.4912, 35.0813**.

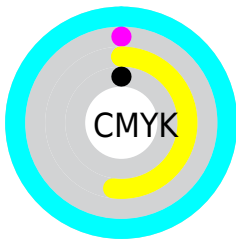
Distribution



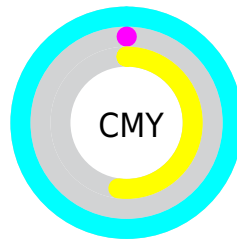
- Red (0%)
- Green (100%)
- Blue (48%)



- Red (0%)
- Yellow (67%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2729, 72.9251, 30.4184 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 39.2729, 72.9251, 30.4184 by changing the saturation by 10% instead.


 39.2729, 72.9251,
30.4184


 39.2729, 72.9251,
30.4184


334.2366,
470.7552, 318.1177


 27.1538, 53.9147,
19.9016


 73.3464, 123.3709,
61.3920


 17.8259, 38.5335,
12.1402


 96.0316, 155.5751,
82.6860


 10.9240, 26.3970,
6.7155


 122.9694,
192.9460, 108.4094

 6.0827, 17.1209,
3.2091

 154.5253,
235.8680, 138.9809

 2.9366, 10.3207,
1.2024

 191.0646,
284.7255, 174.8189

 1.1203, 5.6121,
0.0000

232.9527,

 0.0420, 2.6107,

339.9030, 216.3420

0.0000

280.5549,
401.7847, 263.9687

■ 0.0000, 0.9320,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2729, 72.9251,
30.4184

■ 39.2729, 72.9251,
30.4184


■ 39.2724, 72.9249,
30.4158


■ 40.5686, 73.4912,
35.0813


■ 42.5197, 74.3817,
40.3849


■ 45.2954, 75.6833,
46.3597

■ 49.0002, 77.4494,
53.0307

 53.7224, 79.7250,
60.4214

 59.5391, 82.5497,
68.5539

 66.5200, 85.9588,
77.4494

 74.7286, 89.9848,
87.1278

 84.2237, 94.6575,
97.6086

Harmonies

Analogous

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



51.4343, 72.9251, 13.0170



39.2729, 72.9251, 30.4184



34.9390, 72.9251, 74.4117

Triad

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



39.2729, 72.9251, 30.4184



67.5476, 72.9251, 273.5837



114.1967, 72.9251, 35.3195

Complementary

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



39.2729, 72.9251, 30.4184



45.4752, 22.9545, 24.2310

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.



121.0198, 72.9251, 84.6127



39.2729, 72.9251, 30.4184



90.9183, 72.9251, 243.4252

Square

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



39.2729, 72.9251, 30.4184



48.9475, 72.9251, 232.8209



111.7307, 72.9251, 164.0841



94.6644, 72.9251, 14.6051

Rectangle

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



39.2729, 72.9251, 30.4184



36.1894, 72.9251, 122.1664



111.7307, 72.9251, 164.0841



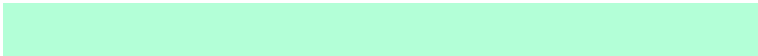
118.2128, 72.9251, 48.0032

Sweetspot

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



39.2734, 72.9254, 30.4196



66.5133, 85.9555, 77.4412



45.9152, 76.7552, 12.3959



13.5754, 18.0747, 15.7527



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.



39.2734, 72.9254, 30.4196



39.2724, 72.9249, 30.4158



52.4718, 78.2048, 99.9218



18.1335, 20.3129, 21.0059



20.5951, 38.1346, 16.2849



2.0601, 3.7350, 1.8742

Inverse Universe

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



45.4752, 22.9545, 24.2310



45.4742, 22.9537, 24.2270



41.2869, 21.2792, 2.1759



18.4051, 18.1454, 20.7505



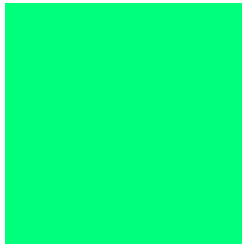
23.8372, 12.0242, 13.0593



2.3762, 1.1928, 1.5624

Previews

White Background



This preview shows how the XYZ color 39.2729, 72.9251, 30.4184 looks on a white background.

Color Contrast Check

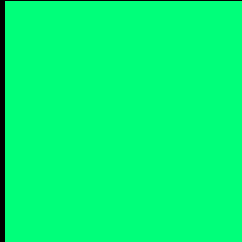
Large Text (above 18pt) WCAG AA × Fail

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 39.2729, 72.9251, 30.4184 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 39.2729, 72.9251, 30.4184

Background



This preview shows how black text looks on a background with the XYZ color 39.2729, 72.9251, 30.4184.



This preview shows how white text looks on a background with the XYZ color 39.2729, 72.9251,

Color Blindness Simulation

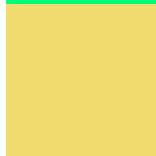
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



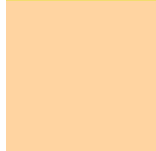
Original Color

39.2729, 72.9251, 30.4184



Protanopia

65.3698, 71.3669, 25.0817



Deuteranopia

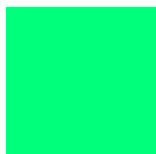
71.2165, 70.9202, 43.6537



Tritanopia

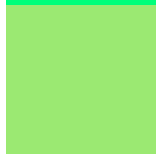
56.6506, 72.5066, 105.6171

Trichromacy



Original Color

39.2729, 72.9251, 30.4184



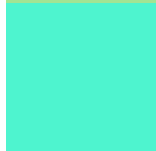
Protanomaly

45.6937, 66.4613, 26.3396



Deuteranomaly

47.9102, 65.2748, 37.6779



Tritanomaly

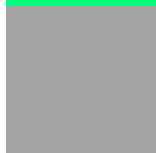
46.7551, 70.8261, 70.2380

Monochromacy



Original Color

39.2729, 72.9251, 30.4184



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.1000, 45.0455, 35.4893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2729, 72.9251, 30.4184 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 122) }
```

Border

The CSS property to change the border of an element to XYZ 39.2729, 72.9251, 30.4184 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, 122) }
```


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

```
.border{ border-color:rgb(0, 255, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2729, 72.9251, 30.4184 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, 122) }
```

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

```
.background{ background-color: rgb(0, 255,  
122) }
```

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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