

Converting Colors

XYZ(39.3449, 72.9539, 30.7976)

Have a look what the booklet for
XYZ(39.3449, 72.9539, 30.7976)
contains.

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Color

**XYZ(39.3352, 72.9501,
30.7465)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF7B
RGB	0, 255, 123
RGB Percent	0%, 100%, 48%
CMY	0.9999, 0.0000, 0.5176
CMYK	1.00, 0.00, 0.52, 0.00
HSL	149°, 100%, 50%
HSV	149°, 100%, 100%
XYZ	39.3352, 72.9501, 30.7465
YIQ	163.7070, -109.6080, -95.1120

Conversions

Conversions Part 2

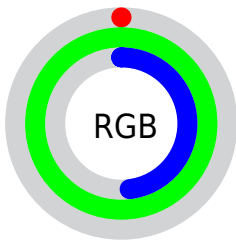
Format	Color
RYB	0, 172, 255
Decimal	65403
CIELab	88.42, -77.50, 48.83
CIELCh	88, 91.596, 147.786
Yxy	72.9501, 0.2750, 0.5100
Android (android.graphics.Color)	4278255483 (0xFF00FF7B)
YUV	163.7070, -20.0686, -143.5710
Hunter-Lab	85.4108, -67.2624, 38.4442

Details

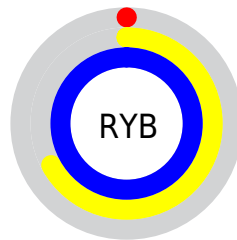
The XYZ color **39.3352, 72.9501, 30.7465** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.4060, 22.9267, 23.8671**, and the grayscale version is **35.2794, 37.1167, 40.4201**.

A 20% lighter version of the original color is **50.9983, 78.4474, 54.5734**, and **20.8454, 39.9221, 12.4014** is the 20% darker color. If you saturate the color by 10%, you get **39.3348, 72.9499, 30.7446**, and if you desaturate by 10%, it is **40.6323, 73.5167, 35.4173**.

Distribution



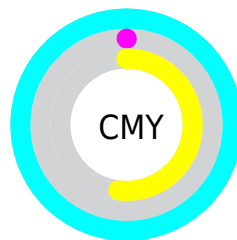
- Red (0%)
- Green (100%)
- Blue (48%)



- 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 39.3352, 72.9501, 30.7465 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 39.3352, 72.9501, 30.7465 by changing the saturation by 10% instead.


 39.3352, 72.9501,
30.7465


 39.3352, 72.9501,
30.7465


334.4962,
470.8418, 319.6837


 27.2025, 53.9352,
20.1490


 73.4409, 123.4064,
61.9156

 17.8627, 38.5498,
12.3183


 96.1446, 155.6165,
83.3244


 10.9506, 26.4097,
6.8357


 123.1027,
192.9938, 109.1740

 6.1007, 17.1304,
3.2827

 154.6805,
235.9227, 139.8830

 2.9476, 10.3275,
1.2407

 191.2434,
284.7875, 175.8699

 1.1261, 5.6166,
0.0124

233.1568,

 0.0468, 2.6134,

339.9727, 217.5533

0.0000

280.7859,
401.8627, 265.3517

■ 0.0000, 0.9334,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.3352, 72.9501,
30.7465

■ 39.3352, 72.9501,
30.7465


■ 39.3348, 72.9499,
30.7446


■ 40.6323, 73.5167,
35.4173


■ 42.5834, 74.4072,
40.7212


■ 45.3574, 75.7080,
46.6878


■ 49.0588, 77.4728,
53.3418

 53.7758, 79.7463,
60.7061

 59.5855, 82.5682,
68.8025

 66.5574, 85.9737,
77.6516

 74.7550, 89.9952,
87.2731

 84.2370, 94.6627,
97.6859

Harmonies

Analogous

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



51.4167, 72.9501, 13.2086



39.3352, 72.9501, 30.7465



35.0565, 72.9501, 74.8379

Triad

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



39.3352, 72.9501, 30.7465



67.7142, 72.9501, 272.5910



113.9333, 72.9501, 35.2598

Complementary

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



39.3352, 72.9501, 30.7465



45.4060, 22.9267, 23.8671

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.



120.8200, 72.9501, 84.2068



39.3352, 72.9501, 30.7465



91.0011, 72.9501, 242.1987

Square

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



39.3352, 72.9501, 30.7465



49.1307, 72.9501, 232.4826



111.6711, 72.9501, 163.1685



94.4391, 72.9501, 14.6763

Rectangle

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



39.3352, 72.9501, 30.7465



36.3357, 72.9501, 122.5142



111.6711, 72.9501, 163.1685



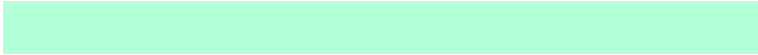
117.9590, 72.9501, 47.8558

Sweetspot

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



39.3356, 72.9503, 30.7477



66.5520, 85.9710, 77.6450



45.9148, 76.7550, 12.3958



13.5845, 18.0784, 15.8008



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.



39.3356, 72.9503, 30.7477



39.3348, 72.9499, 30.7446



52.4717, 78.2047, 99.9217



18.1366, 20.3142, 21.0221



20.6279, 38.1478, 16.4577



2.0633, 3.7363, 1.8914

Inverse Universe

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



45.4060, 22.9267, 23.8671



45.4053, 22.9261, 23.8639



41.2869, 21.2791, 2.1758



18.4020, 18.1441, 20.7343



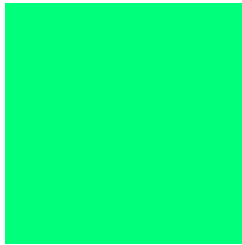
23.8011, 12.0097, 12.8691



2.3727, 1.1914, 1.5439

Previews

White Background



This preview shows how the XYZ color 39.3352, 72.9501, 30.7465 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 39.3352, 72.9501, 30.7465 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 39.3352, 72.9501, 30.7465

Background



This preview shows how black text looks on a background with the XYZ color 39.3352, 72.9501, 30.7465.



This preview shows how white text looks on a background with the XYZ color 39.3352, 72.9501,

Color Blindness Simulation

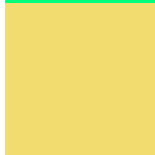
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.3352, 72.9501, 30.7465



Protanopia

65.4246, 71.3888, 25.3701



Deuteranopia

71.3051, 70.9556, 44.1200



Tritanopia

56.6506, 72.5066, 105.6171

Trichromacy



Original Color

39.3352, 72.9501, 30.7465



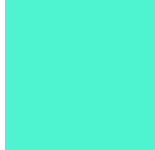
Protanomaly

45.7510, 66.4842, 26.6411



Deuteranomaly

47.9890, 65.3063, 38.0931



Tritanomaly

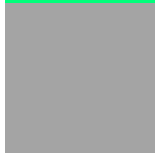
46.7551, 70.8261, 70.2380

Monochromacy



Original Color

39.3352, 72.9501, 30.7465



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 39.3352, 72.9501, 30.7465 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 123) }
```

Border

The CSS property to change the border of an element to XYZ 39.3352, 72.9501, 30.7465 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, 123) }
```


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

```
.border{ border-color:rgb(0, 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(0, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3352, 72.9501, 30.7465 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, 123) }
```

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

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