

Converting Colors

XYZ(39.3934, 72.9733, 31.0530)

Have a look what the booklet for
XYZ(39.3934, 72.9733, 31.0530)
contains.

XYZ(39.3981, 72.9752, 31.0779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.3981, 72.9752,
31.0779)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF7C
RGB	0, 255, 124
RGB Percent	0%, 100%, 49%
CMY	0.9999, 0.0000, 0.5137
CMYK	1.00, 0.00, 0.51, 0.00
HSL	149°, 100%, 50%
HSV	149°, 100%, 100%
XYZ	39.3981, 72.9752, 31.0779
YIQ	163.8210, -109.9290, -94.8010

Conversions

Conversions Part 2

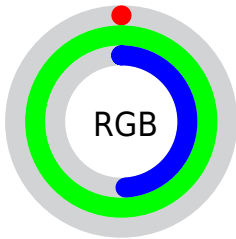
Format	Color
RYB	0, 172, 255
Decimal	65404
CIELab	88.44, -77.35, 48.38
CIELCh	88, 91.233, 147.975
Yxy	72.9752, 0.2746, 0.5087
Android (android.graphics.Color)	4278255484 (0xFF00FF7C)
YUV	163.8210, -19.6318, -143.6710
Hunter-Lab	85.4255, -67.1708, 38.2281

Details

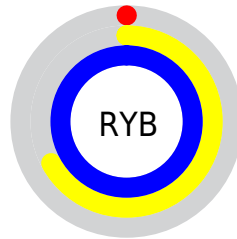
The XYZ color **39.3981, 72.9752, 31.0779** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.3380, 22.8995, 23.5085**, and the grayscale version is **35.3318, 37.1718, 40.4801**.

A 20% lighter version of the original color is **51.0991, 78.4877, 55.1043**, and **21.1036, 40.3874, 12.6445** is the 20% darker color. If you saturate the color by 10%, you get **39.3977, 72.9751, 31.0759**, and if you desaturate by 10%, it is **40.6966, 73.5425, 35.7563**.

Distribution



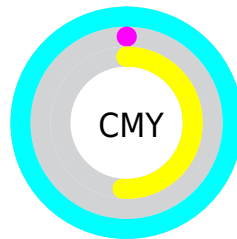
- Red (0%)
- Green (100%)
- Blue (49%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3981, 72.9752, 31.0779 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 39.3981, 72.9752, 31.0779 by changing the saturation by 10% instead.


 39.3981, 72.9752,
31.0779


 39.3981, 72.9752,
31.0779


334.7582,
470.9289, 321.2593


 27.2517, 53.9557,
20.3992


 73.5363, 123.4420,
62.4437


 17.8999, 38.5662,
12.4986


 96.2587, 155.6581,
83.9679


 10.9774, 26.4225,
6.9576


 123.2373,
193.0418, 109.9444

 6.1188, 17.1399,
3.3575

 154.8372,
235.9776, 140.7916

 2.9588, 10.3343,
1.2800

 191.4239,
284.8497, 176.9282

 1.1320, 5.6212,
0.0453

233.3627,

 0.0517, 2.6161,

340.0428, 218.7727

0.0000

281.0190,
401.9410, 266.7435

■ 0.0000, 0.9348,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.3981, 72.9752,
31.0779

■ 39.3981, 72.9752,
31.0779


■ 39.3977, 72.9751,
31.0759


■ 40.6966, 73.5425,
35.7563


■ 42.6477, 74.4329,
41.0599


■ 45.4201, 75.7331,
47.0180


■ 49.1183, 77.4966,
53.6547

 53.8302, 79.7681,
60.9925

 59.6331, 82.5872,
69.0527

 66.5962, 85.9892,
77.8554

 74.7830, 90.0064,
87.4200

 84.2522, 94.6688,
97.7651

Harmonies

Analogous

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



51.3993, 72.9752, 13.4029



39.3981, 72.9752, 31.0779



35.1750, 72.9752, 75.2663

Triad

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



39.3981, 72.9752, 31.0779



67.8814, 72.9752, 271.5951



113.6691, 72.9752, 35.2008

Complementary

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



39.3981, 72.9752, 31.0779



45.3380, 22.8995, 23.5085

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.



120.6193, 72.9752, 83.8017



39.3981, 72.9752, 31.0779



91.0836, 72.9752, 240.9715

Square

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



39.3981, 72.9752, 31.0779



49.3148, 72.9752, 232.1409



111.6106, 72.9752, 162.2539



94.2136, 72.9752, 14.7483

Rectangle

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



39.3981, 72.9752, 31.0779



36.4831, 72.9752, 122.8622



111.6106, 72.9752, 162.2539



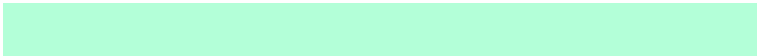
117.7045, 72.9752, 47.7091

Sweetspot

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



39.3985, 72.9754, 31.0791



66.5907, 85.9865, 77.8487



45.2382, 76.4062, 12.3641



13.5937, 18.0820, 15.8488



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.



39.3985, 72.9754, 31.0791



39.3977, 72.9751, 31.0759



53.1335, 78.4694, 103.4062



18.1396, 20.3154, 21.0382



20.6610, 38.1610, 16.6317



2.0666, 3.7376, 1.9087

Inverse Universe

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



45.3380, 22.8995, 23.5085



45.3371, 22.8989, 23.5052



41.2636, 21.2698, 2.0532



18.3990, 18.1429, 20.7181



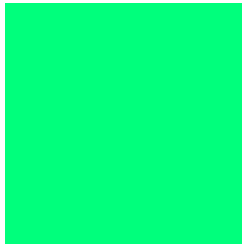
23.7654, 11.9955, 12.6812



2.3692, 1.1900, 1.5255

Previews

White Background



This preview shows how the XYZ color 39.3981, 72.9752, 31.0779 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 39.3981, 72.9752, 31.0779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

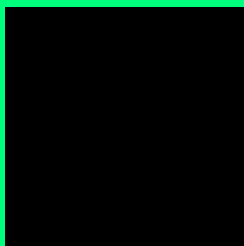
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3981, 72.9752, 31.0779

Background



This preview shows how black text looks on a background with the XYZ color 39.3981, 72.9752, 31.0779.

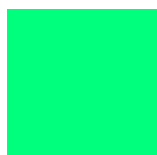


This preview shows how white text looks on a background with the XYZ color 39.3981, 72.9752,

Color Blindness Simulation

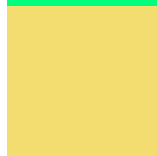
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.3981, 72.9752, 31.0779



Protanopia

65.4800, 71.4109, 25.6618



Deuteranopia

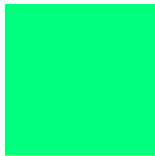
71.3051, 70.9556, 44.1200



Tritanopia

56.7929, 72.5800, 105.6238

Trichromacy



Original Color

39.3981, 72.9752, 31.0779



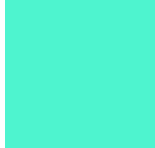
Protanomaly

45.8089, 66.5073, 26.9458



Deuteranomaly

47.9890, 65.3063, 38.0931



Tritanomaly

46.7551, 70.8261, 70.2380

Monochromacy



Original Color

39.3981, 72.9752, 31.0779



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 39.3981, 72.9752, 31.0779 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 124) }
```

Border

The CSS property to change the border of an element to XYZ 39.3981, 72.9752, 31.0779 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, 124) }
```


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

```
.border{ border-color:rgb(0, 255, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3981, 72.9752, 31.0779 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, 124) }
```

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

```
.background{ background-color: rgb(0, 255,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor