

Converting Colors

XYZ(29.9398, 66.4282, 40.6712)

Have a look what the booklet for
XYZ(29.9398, 66.4282, 40.6712)
contains.

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Color

**XYZ(40.3963, 71.8552,
41.0185)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC97
RGB	0, 252, 151
RGB Percent	0%, 99%, 59%
CMY	0.9999, 0.0117, 0.4078
CMYK	1.00, 0.00, 0.40, 0.01
HSL	156°, 100%, 49%
HSV	156°, 100%, 99%
XYZ	40.3963, 71.8552, 41.0185
YIQ	165.1380, -117.7710, -84.8350

Conversions

Conversions Part 2

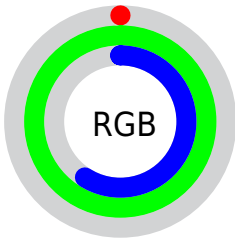
Format	Color
RYB	0, 158, 252
Decimal	64663
CIELab	87.90, -71.91, 34.69
CIELCh	88, 79.842, 154.247
Yxy	71.8552, 0.2636, 0.4688
Android (android.graphics.Color)	4278254743 (0xFF00FC97)
YUV	165.1380, -6.9700, -144.8260
Hunter-Lab	84.7674, -63.2781, 30.6471

Details

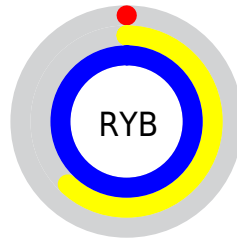
The XYZ color **40.3963, 71.8552, 41.0185** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **42.4967, 21.6367, 14.2539**, and the grayscale version is **35.9072, 37.7771, 41.1393**.

A 20% lighter version of the original color is **53.9708, 79.6211, 70.9164**, and **21.5439, 39.4844, 18.2902** is the 20% darker color. If you saturate the color by 10%, you get **40.3972, 71.8577, 41.0167**, and if you desaturate by 10%, it is **41.6603, 72.4098, 45.5470**.

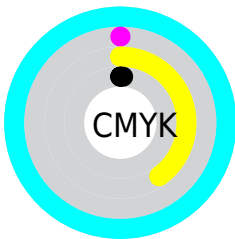
Distribution



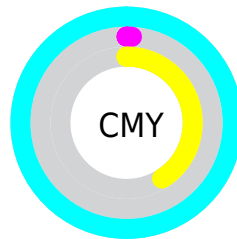
- Red (0%)
- Green (99%)
- Blue (59%)



- Red (0%)
- Yellow (62%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3963, 71.8552, 41.0185 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 40.3963, 71.8552, 41.0185 by changing the saturation by 10% instead.

 40.3963, 71.8552,
41.0185


 40.3963, 71.8552,
41.0185


338.8969,
467.0374, 366.0769


 28.0333, 53.0404,
28.0137


 75.0471, 121.8506,
77.9660


 18.4913, 37.8350,
18.0969


 98.0656, 153.8001,
102.7457


 11.4051, 25.8547,
10.8494


 125.3666,
190.8965, 132.2876

 6.4093, 16.7149,
5.8528

 157.3155,
233.5243, 167.0100

 3.1385, 10.0315,
2.6884

 194.2776,
282.0679, 207.3316

 1.2274, 5.4198,
0.9376

236.6183,

 0.1279, 2.4956,

336.9117, 253.6710

0.0000

284.7030,
398.4401, 306.4465

■ 0.0000, 0.8745,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3963, 71.8552,
41.0185

■ 40.3963, 71.8552,
41.0185


■ 40.3972, 71.8577,
41.0167


■ 41.6603, 72.4098,
45.5470


■ 43.5182, 73.2604,
50.4775


■ 46.1341, 74.4933,
55.8278


■ 49.6074, 76.1594,
61.6108

 54.0217, 78.3018,
67.8384

 59.4500, 80.9579,
74.5219

 65.9580, 84.1614,
81.6717

 73.6057, 87.9430,
89.2981

 82.4485, 92.3313,
97.4109

Harmonies

Analogous

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



49.7330, 71.8552, 19.7098



40.3963, 71.8552, 41.0185



37.9611, 71.8552, 86.2442

Triad

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



40.3963, 71.8552, 41.0185



71.0373, 71.8552, 235.8069



103.1595, 71.8552, 32.8975

Complementary

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



40.3963, 71.8552, 41.0185



42.4967, 21.6367, 14.2539

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.



111.5846, 71.8552, 70.7434



40.3963, 71.8552, 41.0185



90.9844, 71.8552, 200.4870

Square

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



40.3963, 71.8552, 41.0185



53.6227, 71.8552, 215.3479



106.7620, 71.8552, 133.0625



85.4285, 71.8552, 16.7782

Rectangle

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



40.3963, 71.8552, 41.0185



40.1111, 71.8552, 129.5439



106.7620, 71.8552, 133.0625



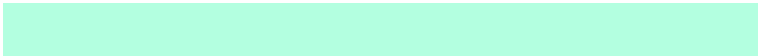
107.3094, 71.8552, 42.6599

Sweetspot

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



40.3981, 71.8581, 41.0202



67.7353, 86.4444, 83.8762



40.6391, 72.6276, 11.8772



13.8649, 18.1905, 17.2772



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.



40.3981, 71.8581, 41.0202



41.4924, 73.8130, 42.1065



46.1491, 64.1836, 102.0554



17.4541, 19.4839, 20.5916



21.1174, 37.4600, 21.7593



2.0082, 3.4904, 2.2911

Inverse Universe

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



42.4967, 21.6367, 14.2539



43.6487, 22.2235, 14.6141



40.4151, 21.2333, 1.9689



17.5329, 17.3405, 19.3958



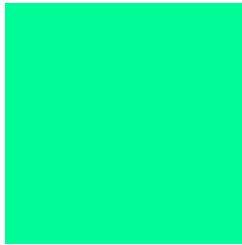
22.2038, 11.2972, 7.7816



2.1072, 1.0666, 0.9882

Previews

White Background



This preview shows how the XYZ color 40.3963, 71.8552, 41.0185 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 40.3963, 71.8552, 41.0185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

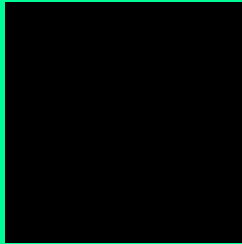
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3963, 71.8552, 41.0185

Background



This preview shows how black text looks on a background with the XYZ color 40.3963, 71.8552, 41.0185.



This preview shows how white text looks on a background with the XYZ color 40.3963, 71.8552,

Color Blindness Simulation

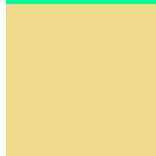
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.3963, 71.8552, 41.0185



Protanopia

64.9187, 70.1549, 34.1644



Deuteranopia

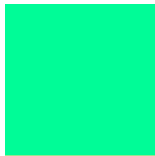
71.2616, 70.1432, 46.3423



Tritanopia

55.0163, 71.2331, 105.4574

Trichromacy



Original Color

40.3963, 71.8552, 41.0185



Protanomaly

46.0172, 65.1561, 36.1376



Deuteranomaly

48.2585, 64.1050, 43.5482



Tritanomaly

46.8750, 69.8536, 76.6582

Monochromacy



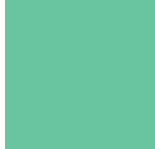
Original Color

40.3963, 71.8552, 41.0185



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.1371, 45.4738, 40.3412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3963, 71.8552, 41.0185 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 151) }
```

Border

The CSS property to change the border of an element to XYZ 40.3963, 71.8552, 41.0185 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, 151) }
```


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

```
.border{ border-color:rgb(0, 252, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3963, 71.8552, 41.0185 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, 151) }
```

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

```
.background{ background-color: rgb(0, 252,  
151) }
```

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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