

Converting Colors

XYZ(41.4160, 71.2136, 49.6229)

Have a look what the booklet for
XYZ(41.4160, 71.2136, 49.6229)
contains.

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Color

**XYZ(41.4413, 71.2735,
49.6032)**

Conversions

Conversions Part 1

Format	Color
Hex	00FAAA
RGB	0, 250, 170
RGB Percent	0%, 98%, 67%
CMY	0.9999, 0.0196, 0.3333
CMYK	1.00, 0.00, 0.32, 0.02
HSL	161°, 100%, 49%
HSV	161°, 100%, 98%
XYZ	41.4413, 71.2735, 49.6032
YIQ	166.1300, -123.3200, -77.8800

Conversions

Conversions Part 2

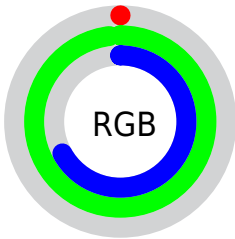
Format	Color
RYB	0, 149, 250
Decimal	64170
CIELab	87.62, -67.49, 24.76
CIELCh	88, 71.885, 159.852
Yxy	71.2735, 0.2553, 0.4391
Android (android.graphics.Color)	4278254250 (0xFF00FAAA)
YUV	166.1300, 1.9079, -145.6960
Hunter-Lab	84.4236, -60.1205, 24.2606

Details

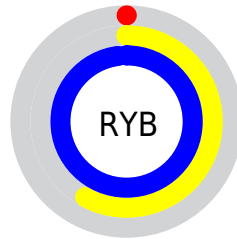
The XYZ color **41.4413, 71.2735, 49.6032** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **40.8752, 20.9050, 9.4762**, and the grayscale version is **36.3473, 38.2402, 41.6436**.

A 20% lighter version of the original color is **56.4269, 80.5884, 84.5326**, and **22.0605, 38.9836, 23.1915** is the 20% darker color. If you saturate the color by 10%, you get **41.4419, 71.2758, 49.6001**, and if you desaturate by 10%, it is **42.6248, 71.7953, 53.7327**.

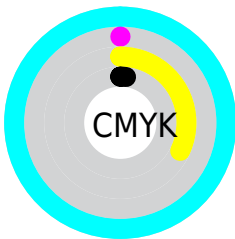
Distribution



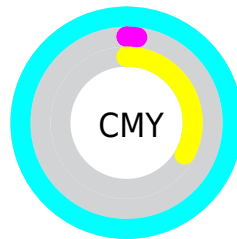
- Red (0%)
- Green (98%)
- Blue (67%)



- Red (0%)
- Yellow (58%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4413, 71.2735, 49.6032 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 41.4413, 71.2735, 49.6032 by changing the saturation by 10% instead.


 41.4413, 71.2735,
49.6032


 41.4413, 71.2735,
49.6032


343.1928,
465.0090, 401.8027


 28.8533, 52.5654,
34.7292


 76.6238, 121.0231,
90.9769

 19.1136, 37.4560,
23.1725


 99.9490, 152.8334,
118.3138


 11.8569, 25.5607,
14.5144


 127.5840,
189.7798, 150.6420

 6.7178, 16.4953,
8.3365

 159.8941,
232.2469, 188.3801

 3.3310, 9.8753,
4.2202

 197.2447,
280.6190, 231.9467

 1.3311, 5.3164,
1.7469

240.0011,

 0.2063, 2.4341,

335.2804, 281.7603

0.3926

288.5287,
396.6156, 338.2395

■ 0.0000, 0.8433,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4413, 71.2735,
49.6032

■ 41.4413, 71.2735,
49.6032

■ 41.4419, 71.2758,
49.6001

■ 42.6248, 71.7953,
53.7327

■ 44.3672, 72.5980,
58.1314

■ 46.8292, 73.7662,
62.8125

■ 50.1073, 75.3495,
67.7844

■ 54.2828, 77.3897,
73.0547

■ 59.4265, 79.9233,
78.6305

■ 65.6022, 82.9830,
84.5186

■ 72.8680, 86.5988,
90.7251

■ 81.2775, 90.7982,
97.2562

Harmonies

Analogous

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



48.8700, 71.2735, 25.6155



41.4413, 71.2735, 49.6032



40.3561, 71.2735, 94.7629

Triad

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



41.4413, 71.2735, 49.6032



73.4958, 71.2735, 211.3282



96.0854, 71.2735, 31.7225

Complementary

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



41.4413, 71.2735, 49.6032



40.8752, 20.9050, 9.4762

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.



105.3516, 71.2735, 62.6537



41.4413, 71.2735, 49.6032



90.9404, 71.2735, 174.0251

Square

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



41.4413, 71.2735, 49.6032



57.0897, 71.2735, 202.9568



103.3255, 71.2735, 114.5504



79.6462, 71.2735, 18.6971

Rectangle

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



41.4413, 71.2735, 49.6032



43.1495, 71.2735, 134.1980



103.3255, 71.2735, 114.5504



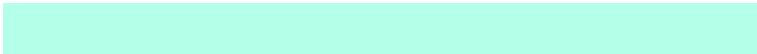
100.2576, 71.2735, 39.6905

Sweetspot

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



41.4432, 71.2763, 49.6049



68.5907, 86.7865, 88.3805



37.7857, 70.2290, 11.5649



14.0691, 18.2722, 18.3522



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.



41.4432, 71.2763, 49.6049



43.3406, 74.5523, 51.8391



39.8956, 52.1811, 98.4151



17.5156, 19.5085, 20.9158



22.0498, 37.8329, 26.6691



2.0905, 3.5233, 2.7243

Inverse Universe

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



40.8752, 20.9050, 9.4762



42.7482, 21.8633, 9.8720



40.2430, 21.9590, 2.1183



17.4735, 17.3168, 19.0833



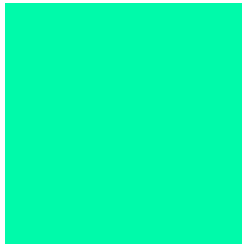
21.7379, 11.1109, 5.3283



2.0594, 1.0475, 0.7363

Previews

White Background



This preview shows how the XYZ color 41.4413, 71.2735, 49.6032 looks on a white background.

Color Contrast Check

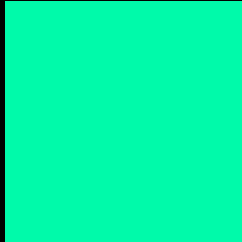
Large Text (above 18pt) WCAG AA × Fail

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 41.4413, 71.2735, 49.6032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

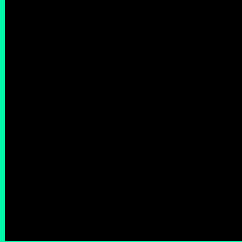
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4413, 71.2735, 49.6032

Background



This preview shows how black text looks on a background with the XYZ color 41.4413, 71.2735, 49.6032.



This preview shows how white text looks on a background with the XYZ color 41.4413, 71.2735,

Color Blindness Simulation

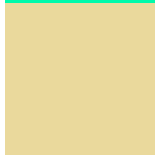
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



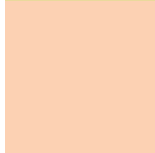
Original Color

41.4413, 71.2735, 49.6032



Protanopia

64.7453, 69.5184, 41.4584



Deuteranopia

71.0820, 69.5510, 52.3261



Tritanopia

54.2780, 70.8525, 105.4229

Trichromacy



Original Color

41.4413, 71.2735, 49.6032



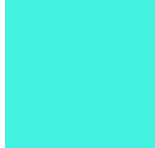
Protanomaly

46.8468, 65.0014, 43.7957



Deuteranomaly

48.9893, 63.9195, 50.8300



Tritanomaly

47.5214, 70.0794, 81.5430

Monochromacy



Original Color

41.4413, 71.2735, 49.6032



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.8852, 45.7867, 43.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4413, 71.2735, 49.6032 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, 250, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 170)  
}
```

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, 250, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 170) }
```

Border

The CSS property to change the border of an element to XYZ 41.4413, 71.2735, 49.6032 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, 250, 170) }
```


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

```
.border{ border-color:rgb(0, 250, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4413, 71.2735, 49.6032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 170) }
```

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

```
.background{ background-color: rgb(0, 250,  
170) }
```

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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