

Converting Colors

XYZ(39.3780, 73.3160, 44.3692)

Have a look what the booklet for
XYZ(39.3780, 73.3160, 44.3692)
contains.

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Color

**XYZ(41.9316, 73.9886,
44.4190)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF9E
RGB	0, 255, 158
RGB Percent	0%, 100%, 62%
CMY	0.9999, 0.0000, 0.3804
CMYK	1.00, 0.00, 0.38, 0.00
HSL	157°, 100%, 50%
HSV	157°, 100%, 100%
XYZ	41.9316, 73.9886, 44.4190
YIQ	167.6970, -120.8430, -84.2270

Conversions

Conversions Part 2

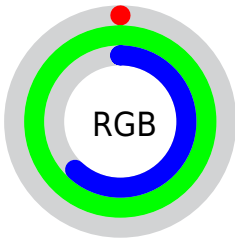
Format	Color
RYB	0, 157, 255
Decimal	65438
CIELab	88.92, -71.60, 32.56
CIELCh	89, 78.654, 155.546
Yxy	73.9886, 0.2615, 0.4615
Android (android.graphics.Color)	4278255518 (0xFF00FF9E)
YUV	167.6970, -4.7806, -147.0703
Hunter-Lab	86.0166, -63.5135, 29.5943

Details

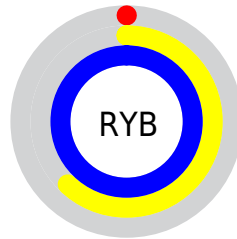
The XYZ color **41.9316, 73.9886, 44.4190** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **43.3993, 22.1243, 13.2993**, and the grayscale version is **37.1404, 39.0746, 42.5522**.

A 20% lighter version of the original color is **54.8405, 79.9689, 75.4959**, and **22.5678, 40.9731, 20.3548** is the 20% darker color. If you saturate the color by 10%, you get **41.9308, 73.9883, 44.4148**, and if you desaturate by 10%, it is **43.2144, 74.5496, 49.0131**.

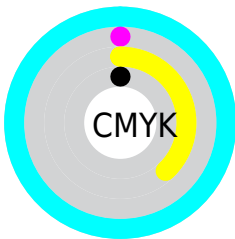
Distribution



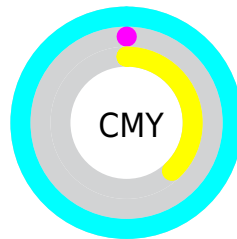
- Red (0%)
- Green (100%)
- Blue (62%)



- Red (0%)
- Yellow (62%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9316, 73.9886, 44.4190 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 41.9316, 73.9886, 44.4190 by changing the saturation by 10% instead.


 41.9316, 73.9886,
44.4190


 41.9316, 73.9886,
44.4190

345.1958,
474.4340, 380.5067

 29.2386, 54.7847,
30.6604


 77.3619, 124.8796,
83.1571


 19.4066, 39.2294,
20.0841


 100.8299,
157.3356, 108.9736


 12.0702, 26.9382,
12.2715


 128.6204,
194.9777, 139.6466

 6.8640, 17.5268,
6.8041

 161.0985,
238.1903, 175.5945

 3.4228, 10.6108,
3.2633

 198.6298,
287.3578, 217.2360

 1.3811, 5.8058,
1.2306

241.5795,

 0.2427, 2.7273,

342.8647, 264.9894

0.0039

290.3131,
405.0953, 319.2735

■ 0.0000, 0.9911,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9316, 73.9886,
44.4190

■ 41.9316, 73.9886,
44.4190

■ 41.9308, 73.9883,
44.4148

■ 43.2144, 74.5496,
49.0131

■ 45.1030, 75.4151,
53.9862

■ 47.7638, 76.6707,
59.3545

■ 51.2989, 78.3690,
65.1301

■ 55.7941, 80.5539,
71.3240

■ 61.3244, 83.2640,
77.9465

■ 67.9573, 86.5340,
85.0072

■ 75.7542, 90.3953,
92.5156

■ 84.7719, 94.8772,
100.4805

Harmonies

Analogous

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



51.0765, 73.9886, 21.7398



41.9316, 73.9886, 44.4190



39.7599, 73.9886, 91.1490

Triad

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



41.9316, 73.9886, 44.4190



73.9298, 73.9886, 236.9517



104.6037, 73.9886, 33.6105

Complementary

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



41.9316, 73.9886, 44.4190



43.3993, 22.1243, 13.2993

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.



113.5324, 73.9886, 70.8265



41.9316, 73.9886, 44.4190



93.8851, 73.9886, 199.8824

Square

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



41.9316, 73.9886, 44.4190



56.2015, 73.9886, 219.0780



109.2926, 73.9886, 132.3638



86.6337, 73.9886, 17.7688

Rectangle

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



41.9316, 73.9886, 44.4190



42.1412, 73.9886, 134.9053



109.2926, 73.9886, 132.3638



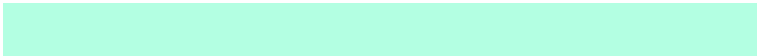
108.8969, 73.9886, 43.2106

Sweetspot

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



41.9322, 73.9889, 44.4203



67.9484, 86.5296, 84.9982



40.7723, 74.1039, 12.1555



13.9157, 18.2108, 17.5444



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.



41.9322, 73.9889, 44.4203



41.9308, 73.9883, 44.4148



45.0442, 61.2079, 104.0480



18.2448, 20.3574, 21.5918



21.9848, 38.6905, 23.6029



2.1938, 3.7885, 2.5786

Inverse Universe

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



43.3993, 22.1243, 13.2993



43.3981, 22.1232, 13.2944



41.6988, 22.1774, 2.0838



18.2953, 18.1014, 20.1721



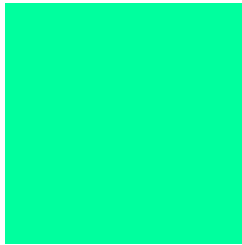
22.7433, 11.5866, 7.2989



2.2656, 1.1486, 0.9803

Previews

White Background



This preview shows how the XYZ color 41.9316, 73.9886, 44.4190 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 41.9316, 73.9886, 44.4190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

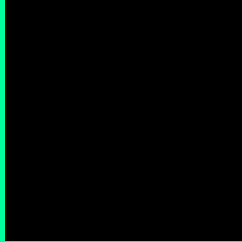
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9316, 73.9886, 44.4190

Background



This preview shows how black text looks on a background with the XYZ color 41.9316, 73.9886, 44.4190.



This preview shows how white text looks on a background with the XYZ color 41.9316, 73.9886,

Color Blindness Simulation

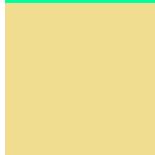
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.9316, 73.9886, 44.4190



Protanopia

66.8257, 72.2518, 36.8095



Deuteranopia

72.9701, 72.0228, 51.6508



Tritanopia

57.9698, 73.6201, 105.7625

Trichromacy



Original Color

41.9316, 73.9886, 44.4190



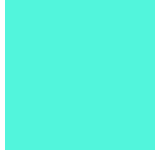
Protanomaly

47.7006, 67.2201, 38.8945



Deuteranomaly

49.8994, 66.0705, 48.1531



Tritanomaly

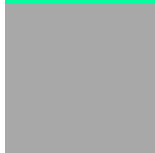
49.0504, 72.2660, 79.0736

Monochromacy



Original Color

41.9316, 73.9886, 44.4190



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.4185, 47.1147, 42.4547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9316, 73.9886, 44.4190 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 41.9316, 73.9886, 44.4190 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, 158) }
```


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

```
.border{ border-color:rgb(0, 255, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9316, 73.9886, 44.4190 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, 158) }
```

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

```
.background{ background-color: rgb(0, 255,  
158) }
```

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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