

Converting Colors

XYZ(49.3428, 92.7952, 46.9733)

Have a look what the booklet for
XYZ(49.3428, 92.7952, 46.9733)
contains.

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Color

**XYZ(41.7608, 73.9203,
43.5195)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF9C
RGB	0, 255, 156
RGB Percent	0%, 100%, 61%
CMY	0.9999, 0.0000, 0.3882
CMYK	1.00, 0.00, 0.39, 0.00
HSL	157°, 100%, 50%
HSV	157°, 100%, 100%
XYZ	41.7608, 73.9203, 43.5195
YIQ	167.4690, -120.2010, -84.8490

Conversions

Conversions Part 2

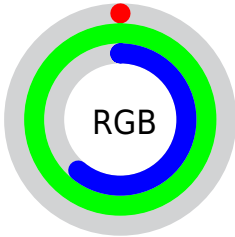
Format	Color
RYB	0, 158, 255
Decimal	65436
CIELab	88.88, -71.98, 33.51
CIELCh	89, 79.395, 155.033
Yxy	73.9203, 0.2623, 0.4643
Android (android.graphics.Color)	4278255516 (0xFF00FF9C)
YUV	167.4690, -5.6542, -146.8703
Hunter-Lab	85.9769, -63.7584, 30.1726

Details

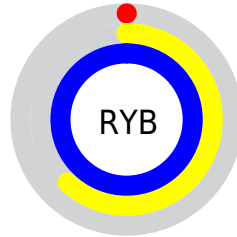
The XYZ color **41.7608, 73.9203, 43.5195** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **43.4938, 22.1621, 13.7968**, and the grayscale version is **37.0326, 38.9611, 42.4287**.

A 20% lighter version of the original color is **54.5881, 79.8680, 74.1670**, and **22.4649, 40.9320, 19.8133** is the 20% darker color. If you saturate the color by 10%, you get **41.7600, 73.9200, 43.5154**, and if you desaturate by 10%, it is **43.0482, 74.4831, 48.1379**.

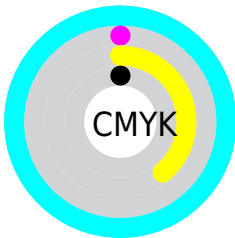
Distribution



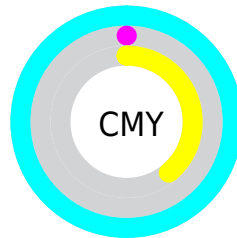
- Red (0%)
- Green (100%)
- Blue (61%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7608, 73.9203, 43.5195 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 41.7608, 73.9203, 43.5195 by changing the saturation by 10% instead.


 41.7608, 73.9203,
43.5195


 41.7608, 73.9203,
43.5195


344.4989,
474.1983, 376.7277


 29.1043, 54.7288,
29.9585


 77.1049, 124.7828,
81.7890


 19.3044, 39.1846,
19.5553


 100.5233,
157.2226, 107.3345


 11.9958, 26.9034,
11.8914


 128.2596,
194.8474, 137.7120

 6.8130, 17.5007,
6.5481

 160.6793,
238.0414, 173.3400

 3.3907, 10.5921,
3.1070

 198.1478,
287.1891, 214.6371

 1.3636, 5.7933,
1.1495

241.0303,

 0.2301, 2.7198,

342.6749, 262.0216

0.0000

289.6922,
404.8831, 315.9123

■ 0.0000, 0.9873,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.7608, 73.9203,
43.5195

■ 41.7608, 73.9203,
43.5195


■ 41.7600, 73.9200,
43.5154


■ 43.0482, 74.4831,
48.1379


■ 44.9440, 75.3515,
53.1485


■ 47.6145, 76.6110,
58.5683


■ 51.1621, 78.3142,
64.4096

 55.6725, 80.5052,
70.6841

 61.2210, 83.2226,
77.4023

 67.8750, 86.5011,
84.5745

 75.6961, 90.3721,
92.2105

 84.7412, 94.8649,
100.3196

Harmonies

Analogous

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



51.0801, 73.9203, 21.1484



41.7608, 73.9203, 43.5195



39.4599, 73.9203, 90.1497

Triad

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



41.7608, 73.9203, 43.5195



73.5567, 73.9203, 239.0096



105.1364, 73.9203, 33.6798

Complementary

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



41.7608, 73.9203, 43.5195



43.4938, 22.1621, 13.7968

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.



113.9597, 73.9203, 71.5400



41.7608, 73.9203, 43.5195



93.7224, 73.9203, 202.2381

Square

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



41.7608, 73.9203, 43.5195



55.7641, 73.9203, 219.9189



109.4424, 73.9203, 134.0391



87.0704, 73.9203, 17.5579

Rectangle

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



41.7608, 73.9203, 43.5195



41.7735, 73.9203, 134.1943



109.4424, 73.9203, 134.0391



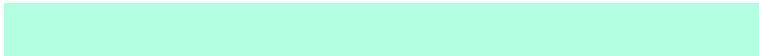
109.4182, 73.9203, 43.4463

Sweetspot

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



41.7614, 73.9206, 43.5208



67.8662, 86.4967, 84.5655



41.2418, 74.3459, 12.1774



13.8961, 18.2030, 17.4413



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.



41.7614, 73.9206, 43.5208



41.7600, 73.9200, 43.5154



46.2091, 63.5376, 104.4363



18.2385, 20.3549, 21.5590



21.8958, 38.6549, 23.1346



2.1855, 3.7851, 2.5347

Inverse Universe

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



43.4938, 22.1621, 13.7968



43.4926, 22.1610, 13.7919



41.5992, 21.9781, 2.0506



18.3013, 18.1038, 20.2039



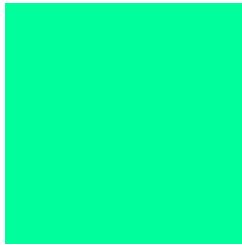
22.7935, 11.6067, 7.5630



2.2709, 1.1507, 1.0082

Previews

White Background



This preview shows how the XYZ color 41.7608, 73.9203, 43.5195 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 41.7608, 73.9203, 43.5195 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 41.7608, 73.9203, 43.5195

Background



This preview shows how black text looks on a background with the XYZ color 41.7608, 73.9203, 43.5195.



This preview shows how white text looks on a background with the XYZ color 41.7608, 73.9203,

Color Blindness Simulation

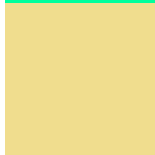
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



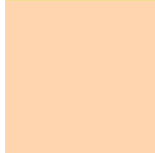
Original Color

41.7608, 73.9203, 43.5195



Protanopia

66.6741, 72.1912, 36.0114



Deuteranopia

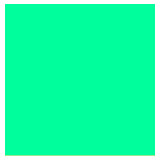
72.8707, 71.9831, 51.1277



Tritanopia

57.9698, 73.6201, 105.7625

Trichromacy



Original Color

41.7608, 73.9203, 43.5195



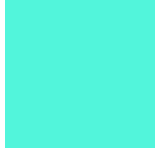
Protanomaly

47.5422, 67.1567, 38.0606



Deuteranomaly

49.8051, 66.0328, 47.6567



Tritanomaly

48.9183, 72.2131, 78.3781

Monochromacy



Original Color

41.7608, 73.9203, 43.5195



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.9781, 46.5554, 41.8983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7608, 73.9203, 43.5195 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 156) }
```

Border

The CSS property to change the border of an element to XYZ 41.7608, 73.9203, 43.5195 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, 156) }
```


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

```
.border{ border-color:rgb(0, 255, 156) }
```

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, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7608, 73.9203, 43.5195 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, 156) }
```

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

```
.background{ background-color: rgb(0, 255,  
156) }
```

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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