

Converting Colors

XYZ(41.2109, 73.8051, 35.8930)

Have a look what the booklet for
XYZ(41.2109, 73.8051, 35.8930)
contains.

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Color

**XYZ(41.1898, 73.7976,
35.7403)**

Conversions

Conversions Part 1

Format	Color
Hex	29FF89
RGB	41, 255, 137
RGB Percent	16%, 100%, 54%
CMY	0.8392, 0.0000, 0.4627
CMYK	0.84, 0.00, 0.46, 0.00
HSL	147°, 100%, 58%
HSV	147°, 84%, 100%
XYZ	41.1898, 73.7976, 35.7403
YIQ	177.5620, -89.6660, -82.0660

Conversions

Conversions Part 2

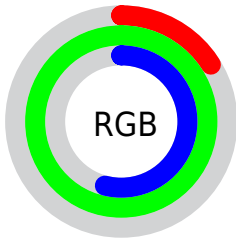
Format	Color
RYB	41, 189, 255
Decimal	2752393
CIELab	88.83, -73.47, 42.77
CIELCh	89, 85.010, 149.792
Yxy	73.7976, 0.2733, 0.4896
Android (android.graphics.Color)	4280942473 (0xFF29FF89)
YUV	177.5620, -19.9971, -119.7649
Hunter-Lab	85.9055, -64.7479, 35.4667

Details

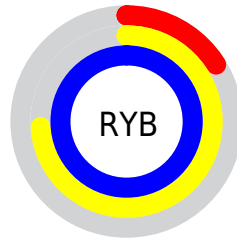
The XYZ color **41.1898, 73.7976, 35.7403** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **48.2913, 25.3495, 35.1495**, and the grayscale version is **42.2222, 44.4211, 48.3745**.

A 20% lighter version of the original color is **53.8786, 79.7614, 62.4250**, and **21.6059, 40.5884, 15.2899** is the 20% darker color. If you saturate the color by 10%, you get **39.5369, 73.0545, 30.7371**, and if you desaturate by 10%, it is **43.6321, 74.9323, 41.4691**.

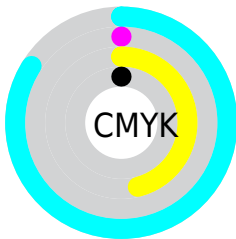
Distribution



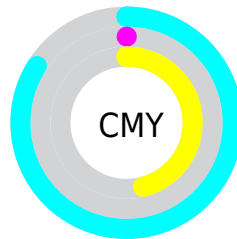
- Red (16%)
- Green (100%)
- Blue (54%)



- Red (16%)
- Yellow (74%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1898, 73.7976, 35.7403 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 41.1898, 73.7976, 35.7403 by changing the saturation by 10% instead.

 41.1898, 73.7976,
35.7403


 41.1898, 73.7976,
35.7403


342.1623,
473.7745, 342.8270


 28.6557, 54.6284,
23.9456


 76.2448, 124.6089,
69.7956


 18.9635, 39.1043,
15.0814


 99.4965, 157.0197,
92.8932

 11.7478, 26.8409,
8.7293


 127.0514,
194.6132, 120.5955

 6.6431, 17.4537,
4.4706

 159.2750,
237.7738, 153.3212

 3.2843, 10.5585,
1.8869

196.5325,
286.8858, 191.4886

 1.3058, 5.7708,
0.4844

239.1893,

 0.1876, 2.7062,

342.3336, 235.5163

0.0000

287.6108,
404.5018, 285.8230

■ 0.0000, 0.9804,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.1898, 73.7976,
35.7403

■ 41.1898, 73.7976,
35.7403

■ 39.5369, 73.0545,
30.7371

■ 43.6321, 74.9323,
41.4691

■ 38.8197, 72.7439,
28.0321

■ 46.9770, 76.5167,
47.9500

■ 51.3196, 78.5992,
55.2124

■ 56.7417, 81.2213,
63.2827

■ 63.3162, 84.4204,
72.1859

■ 71.1096, 88.2301,
81.9458

■ 80.1830, 92.6815,
92.5851

■ 90.5932, 97.8035,
104.1260

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.2535, 73.7976, 16.6548



41.1898, 73.7976, 35.7403



37.5337, 73.7976, 79.9413

Triad

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



41.1898, 73.7976, 35.7403



69.9985, 73.7976, 255.4281



110.4157, 73.7976, 36.1581

Complementary

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



41.1898, 73.7976, 35.7403



48.2913, 25.3495, 35.1495

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.



117.6483, 73.7976, 80.7662



41.1898, 73.7976, 35.7403



91.7088, 73.7976, 224.3831

Square

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



41.1898, 73.7976, 35.7403



52.0488, 73.7976, 223.5663



110.2210, 73.7976, 151.9680



92.0074, 73.7976, 16.7997

Rectangle

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



41.1898, 73.7976, 35.7403



39.0961, 73.7976, 125.1839



110.2210, 73.7976, 151.9680



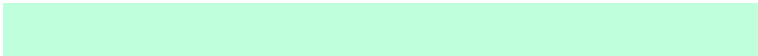
114.3781, 73.7976, 47.7510

Sweetspot

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



41.1902, 73.7978, 35.7415



70.2070, 87.7881, 80.8493



51.1153, 79.3897, 14.7280



14.4208, 18.4936, 16.5570



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.



41.1902, 73.7978, 35.7415



38.8197, 72.7439, 28.0321



52.5121, 78.3265, 95.3615



18.1103, 20.3036, 20.8836



20.3568, 38.0393, 15.0302



2.0362, 3.7254, 1.7483

Inverse Universe

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



48.2913, 25.3495, 35.1495



46.0185, 23.1714, 27.0934



42.7292, 23.1247, 5.8601



18.4286, 18.1547, 20.8740



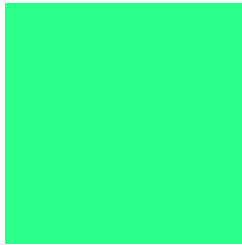
24.1221, 12.1381, 14.5592



2.4038, 1.2039, 1.7076

Previews

White Background



This preview shows how the XYZ color 41.1898, 73.7976, 35.7403 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 41.1898, 73.7976, 35.7403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

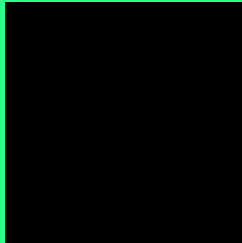
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1898, 73.7976, 35.7403

Background



This preview shows how black text looks on a background with the XYZ color 41.1898, 73.7976, 35.7403.

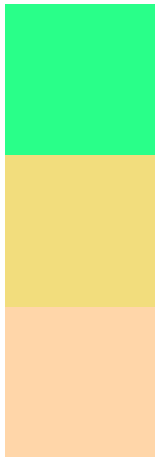


This preview shows how white text looks on a background with the XYZ color 41.1898, 73.7976,

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

41.1898, 73.7976, 35.7403

Protanopia

66.1761, 72.0708, 29.8252

Deuteranopia

72.4480, 72.2177, 47.6571



Tritanopia

57.6778, 73.0362, 105.6652

Trichromacy



Original Color

41.1898, 73.7976, 35.7403



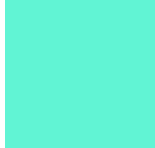
Protanomaly

49.4635, 68.2978, 31.3447



Deuteranomaly

52.2366, 67.8201, 42.2357



Tritanomaly

49.1641, 71.9962, 73.5928

Monochromacy



Original Color

41.1898, 73.7976, 35.7403



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.5843, 51.3762, 42.5860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1898, 73.7976, 35.7403 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(41, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 137)  
}
```

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(41, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 41.1898, 73.7976, 35.7403 is called "border". The border property can be set on classes, ids or directly on the HTML element.

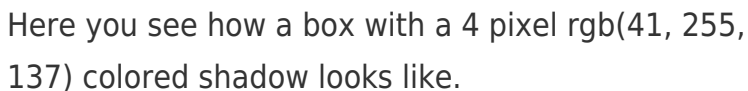
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(41, 255, 137) }
```


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

```
.border{ border-color:rgb(41, 255, 137) }
```

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



Here you see how a box with a 4 pixel `rgb(41, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1898, 73.7976, 35.7403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 137) }
```

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

```
.background{ background-color: rgb(41, 255,  
137) }
```

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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