

Converting Colors

XYZ(41.9020, 74.0815, 39.5320)

Have a look what the booklet for
XYZ(41.9020, 74.0815, 39.5320)
contains.

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Color

**XYZ(41.9409, 74.0980,
39.6956)**

Conversions

Conversions Part 1

Format	Color
Hex	29FF93
RGB	41, 255, 147
RGB Percent	16%, 100%, 58%
CMY	0.8392, 0.0000, 0.4235
CMYK	0.84, 0.00, 0.42, 0.00
HSL	150°, 100%, 58%
HSV	150°, 84%, 100%
XYZ	41.9409, 74.0980, 39.6956
YIQ	178.7020, -92.8760, -78.9560

Conversions

Conversions Part 2

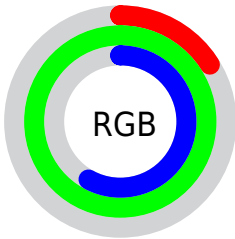
Format	Color
RYB	41, 184, 255
Decimal	2752403
CIELab	88.97, -71.79, 38.11
CIELCh	89, 81.278, 152.042
Yxy	74.0980, 0.2693, 0.4758
Android (android.graphics.Color)	4280942483 (0xFF29FF93)
YUV	178.7020, -15.6291, -120.7647
Hunter-Lab	86.0802, -63.6697, 32.9147

Details

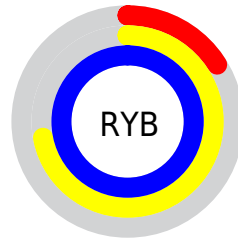
The XYZ color **41.9409, 74.0980, 39.6956** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **47.4582, 25.0164, 30.7625**, and the grayscale version is **42.8058, 45.0350, 49.0431**.

A 20% lighter version of the original color is **54.8781, 80.1442, 68.4541**, and **22.0318, 40.7587, 17.5325** is the 20% darker color. If you saturate the color by 10%, you get **40.2778, 73.3508, 34.6385**, and if you desaturate by 10%, it is **44.3750, 75.2295, 45.3811**.

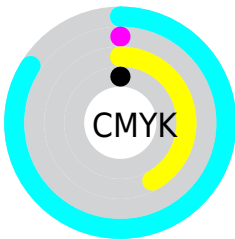
Distribution



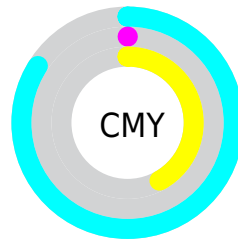
- Red (16%)
- Green (100%)
- Blue (58%)



- Red (16%)
- Yellow (72%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9409, 74.0980, 39.6956 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 41.9409, 74.0980, 39.6956 by changing the saturation by 10% instead.


 41.9409, 74.0980,
39.6956

 41.9409, 74.0980,
39.6956


345.2337,
474.8115, 360.3528

 29.2459, 54.8743,
26.9893


 77.3759, 125.0347,
75.9318


 19.4122, 39.3011,
17.3328


 100.8466,
157.5165, 100.2987

 12.0742, 26.9940,
10.3076


 128.6400,
195.1864, 129.3897

 6.8668, 17.5687,
5.4951

 161.1213,
238.4288, 163.6231

 3.4245, 10.6408,
2.4768

198.6560,
287.6281, 203.4176

 1.3820, 5.8259,
0.8278

241.6094,

 0.2434, 2.7395,

343.1687, 249.1917

0.0000

290.3468,
405.4351, 301.3639

■ 0.0000, 0.9973,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9409, 74.0980,
39.6956

■ 41.9409, 74.0980,
39.6956

■ 40.2778, 73.3508,
34.6385


■ 44.3750, 75.2295,
45.3811


■ 39.5458, 73.0343,
31.8558


■ 47.6921, 76.8028,
51.7149


■ 51.9859, 78.8657,
58.7203

■ 57.3373, 81.4596,
66.4180

 63.8182, 84.6212,
74.8276

 71.4939, 88.3838,
83.9679

 80.4248, 92.7783,
93.8568

 90.6669, 97.8330,
104.5117

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.



52.1495, 74.0980, 19.1648



41.9409, 74.0980, 39.6956



38.8992, 74.0980, 84.6155

Triad

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



41.9409, 74.0980, 39.6956



71.7890, 74.0980, 245.3603



107.7485, 74.0980, 35.6598

Complementary

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



41.9409, 74.0980, 39.6956



47.4582, 25.0164, 30.7625

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.



115.5758, 74.0980, 76.8687



41.9409, 74.0980, 39.6956



92.5446, 74.0980, 212.3483

Square

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



41.9409, 74.0980, 39.6956



54.0903, 74.0980, 219.8174



109.5541, 74.0980, 143.1243



89.7628, 74.0980, 17.7173

Rectangle

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



41.9409, 74.0980, 39.6956



40.7799, 74.0980, 128.7353



109.5541, 74.0980, 143.1243



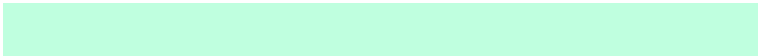
111.7918, 74.0980, 46.3757

Sweetspot

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



41.9414, 74.0982, 39.6968



70.6048, 87.9472, 82.9441



49.0289, 78.3141, 14.6305



14.5152, 18.5314, 17.0540



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.



41.9414, 74.0982, 39.6968



39.5458, 73.0343, 31.8558



54.1557, 78.9840, 104.0166



18.1467, 20.3182, 21.0756



20.7387, 38.1921, 17.0413



2.0743, 3.7407, 1.9492

Inverse Universe

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



47.4582, 25.0164, 30.7625



45.1820, 22.8368, 22.6882



42.4986, 23.0325, 4.6455



18.3918, 18.1401, 20.6806



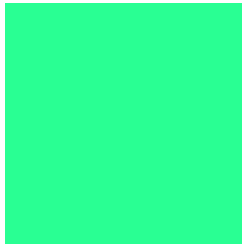
23.6841, 11.9629, 12.2528



2.3612, 1.1869, 1.4835

Previews

White Background



This preview shows how the XYZ color 41.9409, 74.0980, 39.6956 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 41.9409, 74.0980, 39.6956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

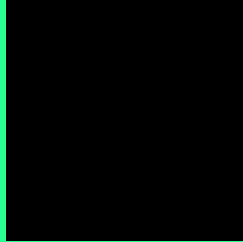
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9409, 74.0980, 39.6956

Background



This preview shows how black text looks on a background with the XYZ color 41.9409, 74.0980, 39.6956.



This preview shows how white text looks on a background with the XYZ color 41.9409, 74.0980,

Color Blindness Simulation

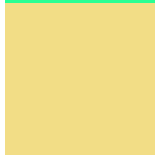
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.9409, 74.0980, 39.6956



Protanopia

66.7775, 72.3114, 32.9922



Deuteranopia

72.8294, 72.3703, 49.6655



Tritanopia

57.9846, 73.1944, 105.6796

Trichromacy



Original Color

41.9409, 74.0980, 39.6956



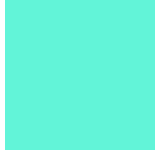
Protanomaly

50.1613, 68.5769, 35.0190



Deuteranomaly

52.8516, 68.0661, 45.4745



Tritanomaly

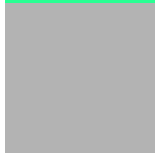
49.7824, 72.2559, 76.2887

Monochromacy



Original Color

41.9409, 74.0980, 39.6956



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.3411, 52.0828, 44.5914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9409, 74.0980, 39.6956 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 41.9409, 74.0980, 39.6956 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, 147) }
```


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

```
.border{ border-color:rgb(41, 255, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9409, 74.0980, 39.6956 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, 147) }
```

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

```
.background{ background-color: rgb(41, 255,  
147) }
```

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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