

Converting Colors

XYZ(42.0851, 74.1545, 40.5021)

Have a look what the booklet for
XYZ(42.0851, 74.1545, 40.5021)
contains.

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Color

**XYZ(42.0993, 74.1613,
40.5295)**

Conversions

Conversions Part 1

Format	Color
Hex	29FF95
RGB	41, 255, 149
RGB Percent	16%, 100%, 58%
CMY	0.8392, 0.0000, 0.4157
CMYK	0.84, 0.00, 0.42, 0.00
HSL	150°, 100%, 58%
HSV	150°, 84%, 100%
XYZ	42.0993, 74.1613, 40.5295
YIQ	178.9300, -93.5180, -78.3340

Conversions

Conversions Part 2

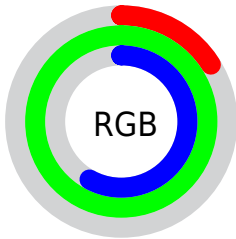
Format	Color
RYB	41, 183, 255
Decimal	2752405
CIELab	89.00, -71.44, 37.16
CIELCh	89, 80.530, 152.517
Yxy	74.1613, 0.2685, 0.4730
Android (android.graphics.Color)	4280942485 (0xFF29FF95)
YUV	178.9300, -14.7555, -120.9646
Hunter-Lab	86.1170, -63.4428, 32.3780

Details

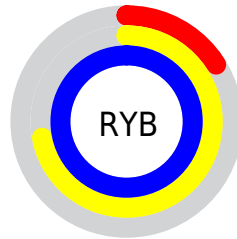
The XYZ color **42.0993, 74.1613, 40.5295** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **47.3001, 24.9532, 29.9296**, and the grayscale version is **42.9234, 45.1587, 49.1779**.

A 20% lighter version of the original color is **55.1165, 80.2396, 69.7096**, and **22.1239, 40.7956, 18.0175** is the 20% darker color. If you saturate the color by 10%, you get **40.4358, 73.4141, 35.4706**, and if you desaturate by 10%, it is **44.5303, 75.2916, 46.1978**.

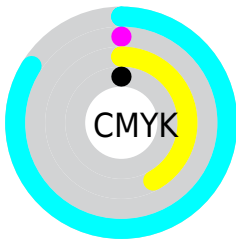
Distribution



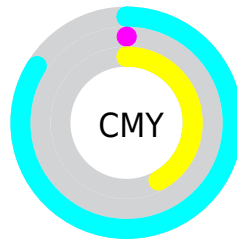
- Red (16%)
- Green (100%)
- Blue (58%)



- 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 42.0993, 74.1613, 40.5295 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 42.0993, 74.1613, 40.5295 by changing the saturation by 10% instead.


 42.0993, 74.1613,
40.5295


 42.0993, 74.1613,
40.5295


345.8790,
475.0299, 363.9685


 29.3705, 54.9261,
27.6347


 77.6141, 125.1244,
77.2150


 19.5070, 39.3425,
17.8138


 101.1308,
157.6211, 101.8429

 12.1433, 27.0263,
10.6484


 128.9742,
195.3071, 131.2188

 6.9143, 17.5930,
5.7197

 161.5097,
238.5667, 165.7613

 3.4544, 10.6582,
2.6094

199.1025,
287.7844, 205.8890

 1.3984, 5.8375,
0.8973

242.1181,

 0.2551, 2.7465,

343.3446, 252.0204

0.0000

290.9219,
405.6316, 304.5741

■ 0.0000, 1.0009,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0993, 74.1613,
40.5295

■ 42.0993, 74.1613,
40.5295

■ 40.4358, 73.4141,
35.4706


■ 44.5303, 75.2916,
46.1978


■ 39.7019, 73.0967,
32.6776


■ 47.8404, 76.8621,
52.4944


■ 52.1232, 78.9206,
59.4414

■ 57.4593, 81.5085,
67.0585

 63.9206, 84.6622,
75.3644

 71.5722, 88.4152,
84.3769

 80.4742, 92.7981,
94.1132

 90.6826, 97.8394,
104.5898

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.



52.1345, 74.1613, 19.7045



42.0993, 74.1613, 40.5295



39.1836, 74.1613, 85.5751

Triad

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



42.0993, 74.1613, 40.5295



72.1537, 74.1613, 243.3378



107.2150, 74.1613, 35.5694

Complementary

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



42.0993, 74.1613, 40.5295



47.3001, 24.9532, 29.9296

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.



115.1572, 74.1613, 76.1080



42.0993, 74.1613, 40.5295



92.7111, 74.1613, 209.9628

Square

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



42.0993, 74.1613, 40.5295



54.5107, 74.1613, 219.0401



109.4156, 74.1613, 141.3862



89.3172, 74.1613, 17.9134

Rectangle

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



42.0993, 74.1613, 40.5295



41.1298, 74.1613, 129.4471



109.4156, 74.1613, 141.3862



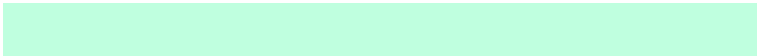
111.2730, 74.1613, 46.1117

Sweetspot

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



42.0999, 74.1616, 40.5308



70.6851, 87.9793, 83.3673



48.3739, 77.9765, 14.6000



14.5343, 18.5390, 17.1546



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.



42.0999, 74.1616, 40.5308



39.7019, 73.0967, 32.6776



54.7248, 79.2116, 107.0128



18.1540, 20.3211, 21.1141



20.8206, 38.2248, 17.4724



2.0824, 3.7439, 1.9917

Inverse Universe

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



47.3001, 24.9532, 29.9296



45.0259, 22.7744, 21.8665



42.4336, 23.0066, 4.3028



18.3845, 18.1371, 20.6421



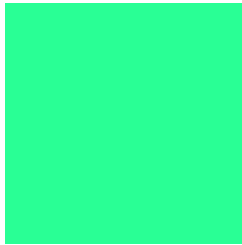
23.6022, 11.9302, 11.8216



2.3531, 1.1836, 1.4410

Previews

White Background



This preview shows how the XYZ color 42.0993, 74.1613, 40.5295 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 42.0993, 74.1613, 40.5295 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 42.0993, 74.1613, 40.5295

Background



This preview shows how black text looks on a background with the XYZ color 42.0993, 74.1613, 40.5295.

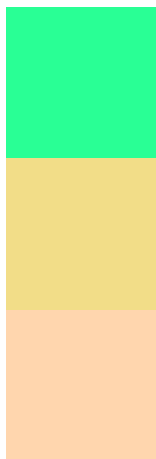


This preview shows how white text looks on a background with the XYZ color 42.0993, 74.1613,

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

42.0993, 74.1613, 40.5295

Protanopia

66.9183, 72.3677, 33.7339

Deuteranopia

72.9265, 72.4091, 50.1771



Tritanopia

57.9846, 73.1944, 105.6796

Trichromacy



Original Color

42.0993, 74.1613, 40.5295



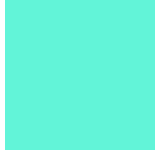
Protanomaly

50.3088, 68.6359, 35.7958



Deuteranomaly

52.9423, 68.1023, 45.9520



Tritanomaly

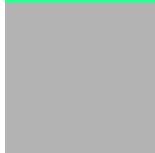
49.7824, 72.2559, 76.2887

Monochromacy



Original Color

42.0993, 74.1613, 40.5295



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.4340, 52.1199, 45.0803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0993, 74.1613, 40.5295 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 42.0993, 74.1613, 40.5295 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, 149) }
```


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

```
.border{ border-color:rgb(41, 255, 149) }
```

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, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0993, 74.1613, 40.5295 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, 149) }
```

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

```
.background{ background-color: rgb(41, 255,  
149) }
```

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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