

Converting Colors

XYZ(47.6642, 84.6617, 44.3662)

Have a look what the booklet for
XYZ(47.6642, 84.6617, 44.3662)
contains.

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Color

**XYZ(42.5072, 74.3245,
42.6776)**

Conversions

Conversions Part 1

Format	Color
Hex	29FF9A
RGB	41, 255, 154
RGB Percent	16%, 100%, 60%
CMY	0.8392, 0.0000, 0.3961
CMYK	0.84, 0.00, 0.40, 0.00
HSL	152°, 100%, 58%
HSV	152°, 84%, 100%
XYZ	42.5072, 74.3245, 42.6776
YIQ	179.5000, -95.1230, -76.7790

Conversions

Conversions Part 2

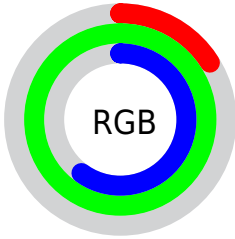
Format	Color
RYB	41, 181, 255
Decimal	2752410
CIELab	89.08, -70.55, 34.80
CIELCh	89, 78.663, 153.745
Yxy	74.3245, 0.2665, 0.4660
Android (android.graphics.Color)	4280942490 (0xFF29FF9A)
YUV	179.5000, -12.5715, -121.4645
Hunter-Lab	86.2117, -62.8599, 30.9977

Details

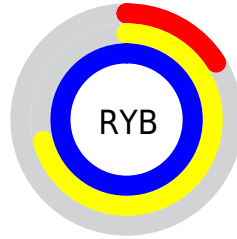
The XYZ color **42.5072, 74.3245, 42.6776** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **46.9161, 24.7996, 27.9072**, and the grayscale version is **43.2172, 45.4678, 49.5144**.

A 20% lighter version of the original color is **55.7261, 80.4834, 72.9194**, and **22.3645, 40.8918, 19.2846** is the 20% darker color. If you saturate the color by 10%, you get **40.8454, 73.5779, 37.6277**, and if you desaturate by 10%, it is **44.9276, 75.4505, 48.2902**.

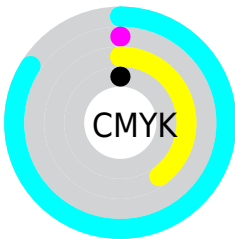
Distribution



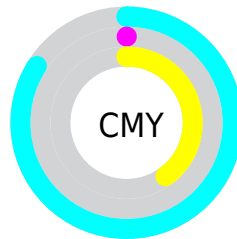
- Red (16%)
- Green (100%)
- Blue (60%)



- Red (16%)
- Yellow (71%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5072, 74.3245, 42.6776 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 42.5072, 74.3245, 42.6776 by changing the saturation by 10% instead.


 42.5072, 74.3245,
42.6776


 42.5072, 74.3245,
42.6776


347.5372,
475.5926, 373.1664


 29.6915, 55.0597,
29.3027


 78.2270, 125.3557,
80.5052


 19.7514, 39.4495,
19.0624


 101.8619,
157.8909, 105.7951

 12.3217, 27.1096,
11.5381


 129.8338,
195.6183, 135.8937

 7.0369, 17.6555,
6.3113

 162.5082,
238.9223, 171.2195

 3.5317, 10.7030,
2.9634

200.2503,
288.1873, 212.1912

 1.4408, 5.8675,
1.0760

243.4256,

 0.2850, 2.7647,

343.7978, 259.2272

0.0000

292.3995,
406.1381, 312.7461

■ 0.0000, 1.0101,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5072, 74.3245,
42.6776

■ 42.5072, 74.3245,
42.6776

■ 40.8454, 73.5779,
37.6277

■ 44.9276, 75.4505,
48.2902

■ 40.1085, 73.2594,
34.8187

■ 48.2177, 77.0130,
54.4817

■ 52.4707, 79.0596,
61.2719

■ 57.7667, 81.6314,
68.6781

■ 64.1773, 84.7649,
76.7168

■ 71.7670, 88.4931,
85.4038

■ 80.5957, 92.8467,
94.7542

■ 90.7189, 97.8539,
104.7825

■ 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.



52.1056, 74.3245, 21.1103



42.5072, 74.3245, 42.6776



39.9114, 74.3245, 88.0091

Triad

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



42.5072, 74.3245, 42.6776



73.0747, 74.3245, 238.2774



105.8830, 74.3245, 35.3570

Complementary

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



42.5072, 74.3245, 42.6776



46.9161, 24.7996, 27.9072

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.



114.1063, 74.3245, 74.2349



42.5072, 74.3245, 42.6776



93.1263, 74.3245, 204.0392

Square

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



42.5072, 74.3245, 42.6776



55.5794, 74.3245, 217.0614



109.0630, 74.3245, 137.0902



88.2091, 74.3245, 18.4223

Rectangle

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



42.5072, 74.3245, 42.6776



42.0234, 74.3245, 131.2283



109.0630, 74.3245, 137.0902



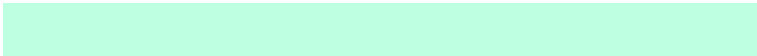
109.9758, 74.3245, 45.4682

Sweetspot

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



42.5077, 74.3248, 42.6789



70.8874, 88.0603, 84.4325



47.7385, 77.6489, 14.5702



14.5824, 18.5582, 17.4081



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.



42.5077, 74.3248, 42.6789



40.1085, 73.2594, 34.8187



53.5975, 76.9571, 106.6371



18.1724, 20.3285, 21.2107



21.0337, 38.3101, 18.5944



2.1032, 3.7522, 2.1013

Inverse Universe

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



46.9161, 24.7996, 27.9072



44.6515, 22.6246, 19.8949



42.5626, 23.2646, 4.3458



18.3663, 18.1298, 20.5459



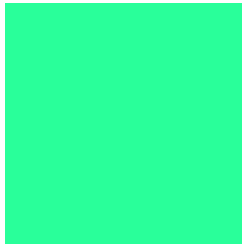
23.4055, 11.8515, 10.7857



2.3336, 1.1758, 1.3381

Previews

White Background



This preview shows how the XYZ color 42.5072, 74.3245, 42.6776 looks on a white background.

Color Contrast Check

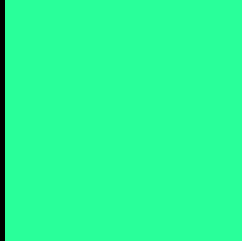
Large Text (above 18pt) WCAG AA × Fail

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 42.5072, 74.3245, 42.6776 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 42.5072, 74.3245, 42.6776

Background



This preview shows how black text looks on a background with the XYZ color 42.5072, 74.3245, 42.6776.



This preview shows how white text looks on a background with the XYZ color 42.5072, 74.3245,

Color Blindness Simulation

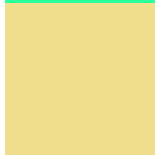
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



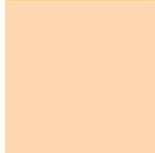
Original Color

42.5072, 74.3245, 42.6776



Protanopia

67.2046, 72.8664, 35.7219



Deuteranopia

73.1230, 72.4877, 51.2118



Tritanopia

58.4322, 73.8585, 105.7842

Trichromacy



Original Color

42.5072, 74.3245, 42.6776



Protanomaly

50.7596, 69.2458, 37.8846



Deuteranomaly

53.2187, 68.2129, 47.4073



Tritanomaly

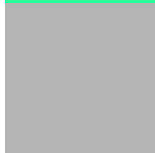
50.4529, 73.0194, 77.7647

Monochromacy



Original Color

42.5072, 74.3245, 42.6776



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.7168, 52.2330, 46.5695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5072, 74.3245, 42.6776 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 154) }
```

Border

The CSS property to change the border of an element to XYZ 42.5072, 74.3245, 42.6776 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, 154) }
```


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

```
.border{ border-color:rgb(41, 255, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5072, 74.3245, 42.6776 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, 154) }
```

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

```
.background{ background-color: rgb(41, 255,  
154) }
```

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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