

Converting Colors

XYZ(44.0073, 74.9526, 49.3093)

Have a look what the booklet for
XYZ(44.0073, 74.9526, 49.3093)
contains.

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Color

**XYZ(44.0002, 74.9515,
49.1938)**

Conversions

Conversions Part 1

Format	Color
Hex	2FFFA8
RGB	47, 255, 168
RGB Percent	18%, 100%, 66%
CMY	0.8157, 0.0000, 0.3412
CMYK	0.82, 0.00, 0.34, 0.00
HSL	155°, 100%, 59%
HSV	155°, 82%, 100%
XYZ	44.0002, 74.9515, 49.1938
YIQ	182.8900, -96.0410, -71.1530

Conversions

Conversions Part 2

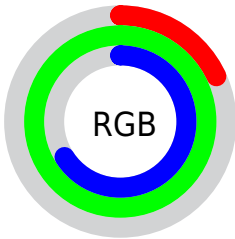
Format	Color
RYB	47, 179, 255
Decimal	3145640
CIELab	89.37, -67.39, 28.21
CIELCh	89, 73.057, 157.289
Yxy	74.9515, 0.2617, 0.4458
Android (android.graphics.Color)	4281335720 (0xFF2FFFA8)
YUV	182.8900, -7.3408, -119.1755
Hunter-Lab	86.5745, -60.7855, 26.9121

Details

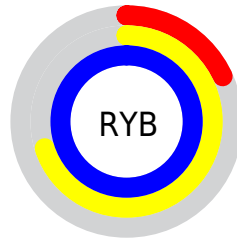
The XYZ color **44.0002, 74.9515, 49.1938** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **46.5604, 25.0151, 24.9309**, and the grayscale version is **45.0272, 47.3721, 51.5882**.

A 20% lighter version of the original color is **58.1166, 81.4910, 83.1873**, and **23.0608, 41.1703, 22.9509** is the 20% darker color. If you saturate the color by 10%, you get **42.1947, 74.1309, 44.1339**, and if you desaturate by 10%, it is **46.5738, 76.1586, 54.7177**.

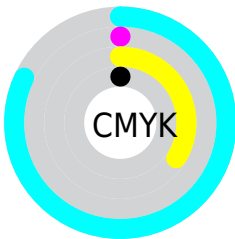
Distribution



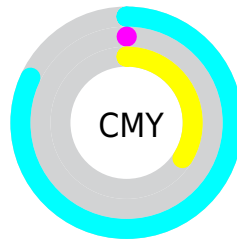
- Red (18%)
- Green (100%)
- Blue (66%)



- Red (18%)
- Yellow (70%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (82%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.0002, 74.9515, 49.1938 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 44.0002, 74.9515, 49.1938 by changing the saturation by 10% instead.


 44.0002, 74.9515,
49.1938


 44.0002, 74.9515,
49.1938


353.5613,
477.7509, 400.1491

 30.8686, 55.5732,
34.4066


 80.4644, 126.2437,
90.3632


 20.6501, 39.8608,
22.9262


 104.5277,
158.9264, 117.5824

 12.9795, 27.4300,
14.3342


 132.9655,
196.8126, 149.7827

 7.4913, 17.8965,
8.2121

 166.1434,
240.2867, 187.3826

 3.8203, 10.8757,
4.1413

204.4265,
289.7333, 230.8007

 1.6010, 5.9833,
1.7032

248.1803,

 0.3930, 2.8349,

345.5365, 280.4554

0.3629

297.7701,
408.0809, 336.7654

■ 0.0000, 1.0462,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.0002, 74.9515,
49.1938

■ 44.0002, 74.9515,
49.1938

■ 42.1947, 74.1309,
44.1339

■ 46.5738, 76.1586,
54.7177

■ 41.1323, 73.6689,
40.2099

■ 50.0196, 77.8058,
60.7164

■ 54.4267, 79.9387,
67.2050

■ 59.8721, 82.5968,
74.1962

66.4246, 85.8154,
81.7022

74.1470, 89.6267,
89.7345

83.0972, 94.0602,
98.3044

93.3291, 99.1438,
107.4225

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.



52.3760, 74.9515, 25.6680



44.0002, 74.9515, 49.1938



42.2911, 74.9515, 94.7481

Triad

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



44.0002, 74.9515, 49.1938



75.6901, 74.9515, 223.4013



102.2389, 74.9515, 35.3144

Complementary

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



44.0002, 74.9515, 49.1938



46.5604, 25.0151, 24.9309

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.



111.0686, 74.9515, 69.7453



44.0002, 74.9515, 49.1938



94.1614, 74.9515, 187.6714

Square

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



44.0002, 74.9515, 49.1938



58.7737, 74.9515, 210.2848



107.8889, 74.9515, 125.8285



85.3532, 74.9515, 20.3138

Rectangle

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



44.0002, 74.9515, 49.1938



44.8471, 74.9515, 135.5813



107.8889, 74.9515, 125.8285



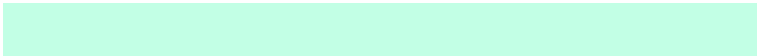
106.3659, 74.9515, 44.2817

Sweetspot

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



44.0008, 74.9518, 49.1951



72.1558, 88.6425, 87.7298



46.6125, 77.0554, 15.1067



14.8484, 18.6789, 18.1620



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.



44.0008, 74.9518, 49.1951



41.3671, 73.7702, 41.1132



50.7176, 70.8144, 105.6032



18.2147, 20.3454, 21.4337



21.5687, 38.5241, 21.4117



2.1546, 3.7728, 2.3719

Inverse Universe

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



46.5604, 25.0151, 24.9309



44.0895, 22.4884, 16.6625



43.4153, 24.7894, 5.1868



18.3245, 18.1131, 20.3261



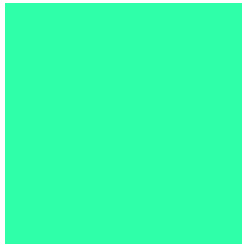
22.9966, 11.6879, 8.6324



2.2921, 1.1592, 1.1196

Previews

White Background



This preview shows how the XYZ color 44.0002, 74.9515, 49.1938 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 44.0002, 74.9515, 49.1938 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 44.0002, 74.9515, 49.1938

Background



This preview shows how black text looks on a background with the XYZ color 44.0002, 74.9515, 49.1938.

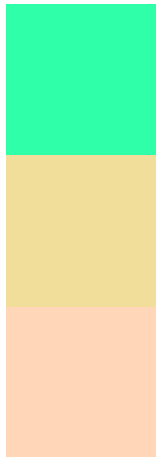


This preview shows how white text looks on a background with the XYZ color 44.0002, 74.9515,

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

44.0002, 74.9515, 49.1938

Protanopia

67.8892, 73.1009, 41.1036

Deuteranopia

74.1922, 73.3216, 55.5895



Tritanopia

59.2330, 74.2714, 105.8216

Trichromacy



Original Color

44.0002, 74.9515, 49.1938



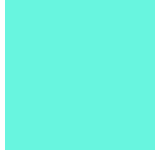
Protanomaly

52.2584, 69.8949, 43.5376



Deuteranomaly

54.9231, 69.3917, 52.6187



Tritanomaly

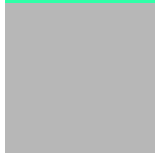
51.6806, 73.5756, 81.2897

Monochromacy



Original Color

44.0002, 74.9515, 49.1938



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

40.6679, 53.8836, 50.3766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0002, 74.9515, 49.1938 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(47, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(47, 255, 168)  
}
```

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(47, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 255, 168) }
```

Border

The CSS property to change the border of an element to XYZ 44.0002, 74.9515, 49.1938 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(47, 255, 168) }
```


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

```
.border{ border-color:rgb(47, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(47, 255,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0002, 74.9515, 49.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 255, 168) }
```

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

```
.background{ background-color: rgb(47, 255,  
168) }
```

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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