

Converting Colors

XYZ(51.8842, 100.0000,
58.4696)

Have a look what the booklet for
XYZ(51.8842, 100.0000, 58.4696)
contains.

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Color

**XYZ(43.7959, 74.7344,
54.2364)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFB2
RGB	0, 255, 178
RGB Percent	0%, 100%, 70%
CMY	0.9999, 0.0000, 0.3020
CMYK	1.00, 0.00, 0.30, 0.00
HSL	162°, 100%, 50%
HSV	162°, 100%, 100%
XYZ	43.7959, 74.7344, 54.2364
YIQ	169.9770, -127.2630, -78.0070

Conversions

Conversions Part 2

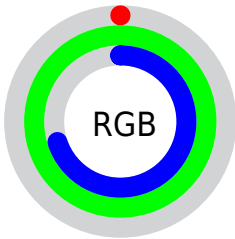
Format	Color
RYB	0, 150, 255
Decimal	65458
CIELab	89.27, -67.55, 22.96
CIELCh	89, 71.347, 161.230
Yxy	74.7344, 0.2535, 0.4326
Android (android.graphics.Color)	4278255538 (0xFF00FFB2)
YUV	169.9770, 3.9553, -149.0698
Hunter-Lab	86.4491, -60.8561, 23.3170

Details

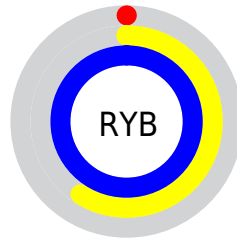
The XYZ color **43.7959, 74.7344, 54.2364** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **42.5810, 21.7970, 8.9898**, and the grayscale version is **38.2280, 40.2189, 43.7983**.

A 20% lighter version of the original color is **57.8137, 81.1735, 90.4629**, and **23.6679, 41.4132, 26.1482** is the 20% darker color. If you saturate the color by 10%, you get **43.7951, 74.7340, 54.2324**, and if you desaturate by 10%, it is **45.0056, 75.2661, 58.4449**.

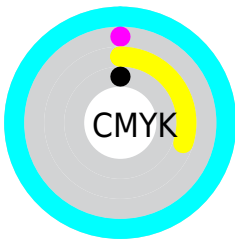
Distribution



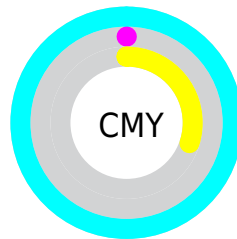
- Red (0%)
- Green (100%)
- Blue (70%)



- Red (0%)
- Yellow (59%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7959, 74.7344, 54.2364 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 43.7959, 74.7344, 54.2364 by changing the saturation by 10% instead.


 43.7959, 74.7344,
54.2364


 43.7959, 74.7344,
54.2364


352.7410,
477.0042, 420.2109


 30.7073, 55.3953,
38.3962


 80.1588, 125.9363,
97.8812


 20.5268, 39.7183,
25.9861


 104.1638,
158.5680, 126.5228

 12.8890, 27.3190,
16.5876


 132.5383,
196.3992, 160.2687

 7.4287, 17.8129,
9.7821

 165.6477,
239.8146, 199.5374

 3.7803, 10.8158,
5.1510

 203.8573,
289.1983, 244.7475

 1.5786, 5.9431,
2.2758

247.5325,

 0.3784, 2.8105,

344.9349, 296.3174

0.7176

297.0386,
407.4087, 354.6657

■ 0.0000, 1.0336,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7959, 74.7344,
54.2364

■ 43.7959, 74.7344,
54.2364

■ 43.7951, 74.7340,
54.2324

■ 45.0056, 75.2661,
58.4449

■ 46.7977, 76.0930,
62.9096

■ 49.3380, 77.3004,
67.6430

■ 52.7278, 78.9405,
72.6534

■ 57.0523, 81.0572,
77.9480

■ 62.3858, 83.6886,
83.5337

■ 68.7950, 86.8691,
89.4168

■ 76.3410, 90.6301,
95.6032

■ 85.0798, 95.0004,
102.0988

Harmonies

Analogous

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



51.1579, 74.7344, 28.4360



43.7959, 74.7344, 54.2364



42.9750, 74.7344, 101.5298

Triad

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



43.7959, 74.7344, 54.2364



77.7605, 74.7344, 216.4563



99.3303, 74.7344, 33.0963

Complementary

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



43.7959, 74.7344, 54.2364



42.5810, 21.7970, 8.9898

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.



109.2285, 74.7344, 64.0780



43.7959, 74.7344, 54.2364



95.4852, 74.7344, 176.9831

Square

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



43.7959, 74.7344, 54.2364



60.7875, 74.7344, 210.2469



107.7163, 74.7344, 116.3208



82.3690, 74.7344, 20.1350

Rectangle

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



43.7959, 74.7344, 54.2364



46.0605, 74.7344, 141.9583



107.7163, 74.7344, 116.3208



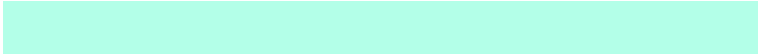
103.7100, 74.7344, 41.0697

Sweetspot

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



43.7965, 74.7347, 54.2377



68.7860, 86.8646, 89.4089



39.1341, 73.2594, 12.0789



14.1158, 18.2909, 18.5985



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

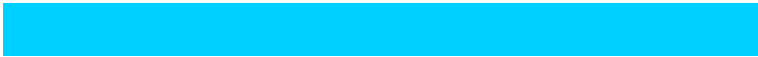
The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.7965, 74.7347, 54.2377



43.7951, 74.7340, 54.2324



40.6688, 52.4569, 102.5895



18.3075, 20.3825, 21.9221



22.9533, 39.0779, 28.7028



2.2834, 3.8243, 3.0501

Inverse Universe

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



42.5810, 21.7970, 8.9898



42.5798, 21.7959, 8.9854



42.2478, 23.2753, 2.2668



18.2351, 18.0774, 19.8554



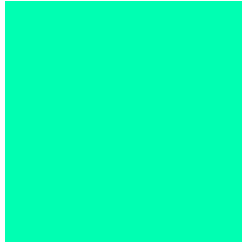
22.3063, 11.4118, 4.9975



2.2178, 1.1295, 0.7286

Previews

White Background



This preview shows how the XYZ color 43.7959, 74.7344, 54.2364 looks on a white background.

Color Contrast Check

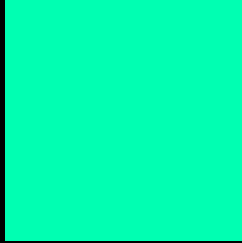
Large Text (above 18pt) WCAG AA × Fail

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 43.7959, 74.7344, 54.2364 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 43.7959, 74.7344, 54.2364

Background



This preview shows how black text looks on a background with the XYZ color 43.7959, 74.7344, 54.2364.



This preview shows how white text looks on a background with the XYZ color 43.7959, 74.7344,

Color Blindness Simulation

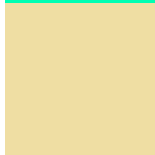
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



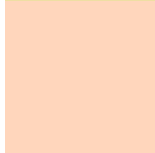
Original Color

43.7959, 74.7344, 54.2364



Protanopia

68.3287, 73.2376, 45.1853



Deuteranopia

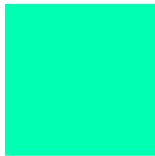
74.3637, 72.9840, 57.7449



Tritanopia

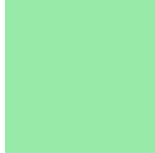
58.7480, 74.0213, 105.7989

Trichromacy



Original Color

43.7959, 74.7344, 54.2364



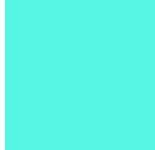
Protanomaly

49.4396, 68.3482, 47.6326



Deuteranomaly

51.5713, 67.1807, 55.5965



Tritanomaly

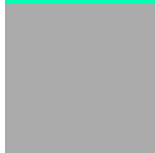
50.2638, 72.7822, 84.0722

Monochromacy



Original Color

43.7959, 74.7344, 54.2364



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.6138, 47.9786, 46.9716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7959, 74.7344, 54.2364 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(0, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 178)  
}
```

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(0, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 43.7959, 74.7344, 54.2364 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(0, 255, 178) }
```


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

```
.border{ border-color:rgb(0, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7959, 74.7344, 54.2364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 178) }
```

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

```
.background{ background-color: rgb(0, 255,  
178) }
```

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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