

Converting Colors

XYZ(49.4971, 86.9188, 54.8046)

Have a look what the booklet for
XYZ(49.4971, 86.9188, 54.8046)
contains.

XYZ(43.4979, 74.6151, 52.6670)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.4979, 74.6151,
52.6670)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFAF
RGB	0, 255, 175
RGB Percent	0%, 100%, 69%
CMY	0.9998, 0.0000, 0.3137
CMYK	1.00, 0.00, 0.31, 0.00
HSL	161°, 100%, 50%
HSV	161°, 100%, 100%
XYZ	43.4979, 74.6151, 52.6670
YIQ	169.6350, -126.3000, -78.9400

Conversions

Conversions Part 2

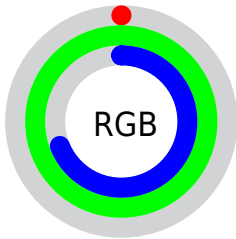
Format	Color
RYB	0, 151, 255
Decimal	65455
CIELab	89.21, -68.19, 24.40
CIELCh	89, 72.425, 160.308
Yxy	74.6151, 0.2547, 0.4369
Android (android.graphics.Color)	4278255535 (0xFF00FFAF)
YUV	169.6350, 2.6449, -148.7699
Hunter-Lab	86.3800, -61.2788, 24.3162

Details

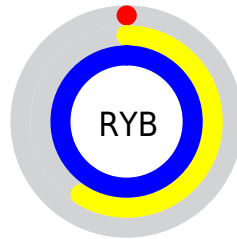
The XYZ color **43.4979, 74.6151, 52.6670** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **42.6898, 21.8406, 9.5622**, and the grayscale version is **38.0647, 40.0470, 43.6112**.

A 20% lighter version of the original color is **57.3863, 81.0025, 88.2118**, and **23.4791, 41.3376, 25.1538** is the 20% darker color. If you saturate the color by 10%, you get **43.4969, 74.6148, 52.6619**, and if you desaturate by 10%, it is **44.7219, 75.1526, 56.9504**.

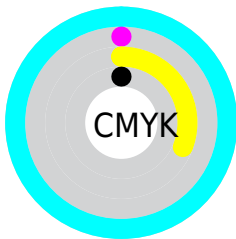
Distribution



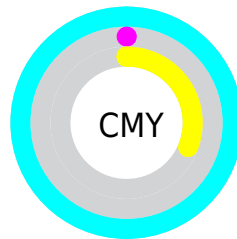
- Red (0%)
- Green (100%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.4979, 74.6151, 52.6670 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 43.4979, 74.6151, 52.6670 by changing the saturation by 10% instead.


 43.4979, 74.6151,
52.6670


 43.4979, 74.6151,
52.6670

351.5423,
476.5936, 414.0362


 30.4722, 55.2976,
37.1511


 79.7127, 125.7674,
95.5508


 20.3471, 39.6401,
25.0278


 103.6325,
158.3710, 123.7557

 12.7573, 27.2580,
15.8786


 131.9144,
196.1720, 157.0274

 7.3375, 17.7671,
9.2848

 164.9237,
239.5550, 195.7844

 3.7223, 10.7829,
4.8281

 203.0258,
288.9042, 240.4452

 1.5462, 5.9210,
2.0898

246.5860,

 0.3570, 2.7971,

344.6041, 291.4285

0.6097

295.9697,
407.0391, 349.1526

■ 0.0000, 1.0268,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.4979, 74.6151,
52.6670

■ 43.4979, 74.6151,
52.6670

■ 43.4969, 74.6148,
52.6619

■ 44.7219, 75.1526,
56.9504

■ 46.5317, 75.9866,
61.5072

■ 49.0930, 77.2025,
66.3502

■ 52.5072, 78.8524,
71.4882

■ 56.8597, 80.9802,
76.9289

■ 62.2247, 83.6243,
82.6795

■ 68.6693, 86.8190,
88.7467

■ 76.2542, 90.5956,
95.1371

■ 85.0358, 94.9830,
101.8566

Harmonies

Analogous

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



51.1319, 74.6151, 27.3371



43.4979, 74.6151, 52.6670



42.4676, 74.6151, 99.9294

Triad

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



43.4979, 74.6151, 52.6670



77.1748, 74.6151, 219.5131



100.1136, 74.6151, 33.1525

Complementary

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



43.4979, 74.6151, 52.6670



42.6898, 21.8406, 9.5622

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.



109.8763, 74.6151, 65.0449



43.4979, 74.6151, 52.6670



95.2484, 74.6151, 180.3347

Square

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



43.4979, 74.6151, 52.6670



60.0753, 74.6151, 211.6167



107.9612, 74.6151, 118.6419



82.9958, 74.6151, 19.7489

Rectangle

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



43.4979, 74.6151, 52.6670



45.4442, 74.6151, 140.9090



107.9612, 74.6151, 118.6419



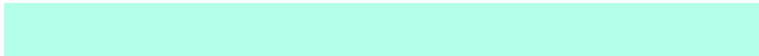
104.4834, 74.6151, 41.3657

Sweetspot

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



43.4986, 74.6155, 52.6683



68.6584, 86.8136, 88.7371



39.1345, 73.2596, 12.0791



14.0853, 18.2786, 18.4375



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.



43.4986, 74.6155, 52.6683



43.4969, 74.6148, 52.6619



40.6691, 52.4575, 102.5896



18.2980, 20.3787, 21.8723



22.7986, 39.0160, 27.8883



2.2692, 3.8186, 2.9755

Inverse Universe

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



42.6898, 21.8406, 9.5622



42.6883, 21.8393, 9.5568



42.2480, 23.2757, 2.2671



18.2441, 18.0810, 19.9027



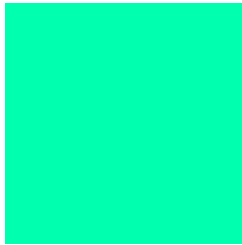
22.3646, 11.4351, 5.3045



2.2244, 1.1321, 0.7632

Previews

White Background



This preview shows how the XYZ color 43.4979, 74.6151, 52.6670 looks on a white background.

Color Contrast Check

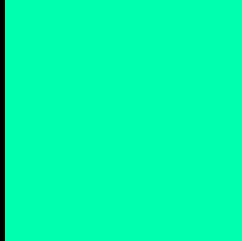
Large Text (above 18pt) WCAG AA × Fail

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 43.4979, 74.6151, 52.6670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

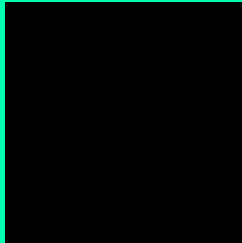
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

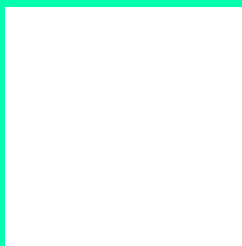
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.4979, 74.6151, 52.6670

Background



This preview shows how black text looks on a background with the XYZ color 43.4979, 74.6151, 52.6670.

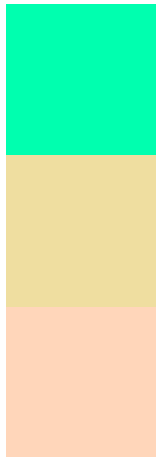


This preview shows how white text looks on a background with the XYZ color 43.4979, 74.6151,

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

43.4979, 74.6151, 52.6670

Protanopia

68.0630, 73.1313, 43.7862

Deuteranopia

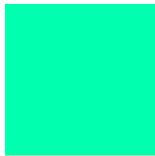
74.1495, 72.8983, 56.6171



Tritanopia

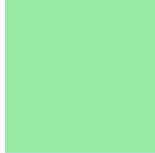
58.5894, 73.9395, 105.7915

Trichromacy



Original Color

43.4979, 74.6151, 52.6670



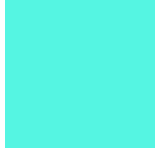
Protanomaly

49.1632, 68.2376, 46.1773



Deuteranomaly

51.3631, 67.0974, 54.4999



Tritanomaly

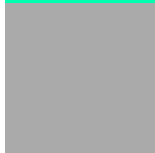
50.1262, 72.7271, 83.3473

Monochromacy



Original Color

43.4979, 74.6151, 52.6670



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.5174, 47.9400, 46.4638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4979, 74.6151, 52.6670 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 43.4979, 74.6151, 52.6670 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, 175) }
```


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

```
.border{ border-color:rgb(0, 255, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4979, 74.6151, 52.6670 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, 175) }
```

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

```
.background{ background-color: rgb(0, 255,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor