

Converting Colors

XYZ(42.1576, 85.6952, 57.3031)

Have a look what the booklet for
XYZ(42.1576, 85.6952, 57.3031)
contains.

XYZ(43.9982, 74.8153, 55.3019)	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(43.9982, 74.8153,
55.3019)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFB4
RGB	0, 255, 180
RGB Percent	0%, 100%, 71%
CMY	0.9999, 0.0000, 0.2941
CMYK	1.00, 0.00, 0.29, 0.00
HSL	162°, 100%, 50%
HSV	162°, 100%, 100%
XYZ	43.9982, 74.8153, 55.3019
YIQ	170.2050, -127.9050, -77.3850

Conversions

Conversions Part 2

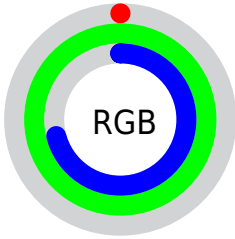
Format	Color
RYB	0, 149, 255
Decimal	65460
CIELab	89.31, -67.12, 21.99
CIELCh	89, 70.633, 161.860
Yxy	74.8153, 0.2527, 0.4297
Android (android.graphics.Color)	4278255540 (0xFF00FFB4)
YUV	170.2050, 4.8289, -149.2698
Hunter-Lab	86.4958, -60.5694, 22.6395

Details

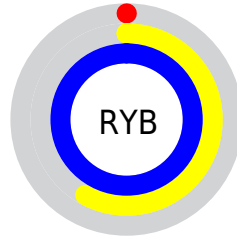
The XYZ color **43.9982, 74.8153, 55.3019** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **42.5113, 21.7691, 8.6231**, and the grayscale version is **38.3376, 40.3341, 43.9238**.

A 20% lighter version of the original color is **58.1028, 81.2891, 91.9849**, and **23.7970, 41.4648, 26.8280** is the 20% darker color. If you saturate the color by 10%, you get **43.9975, 74.8150, 55.2982**, and if you desaturate by 10%, it is **45.1978, 75.3429, 59.4571**.

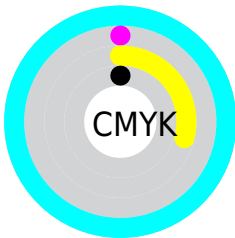
Distribution



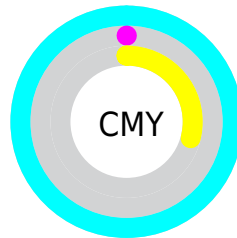
- Red (0%)
- Green (100%)
- Blue (71%)



- Red (0%)
- Yellow (58%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.9982, 74.8153, 55.3019 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 43.9982, 74.8153, 55.3019 by changing the saturation by 10% instead.

 43.9982, 74.8153,
55.3019


 43.9982, 74.8153,
55.3019


353.5533,
477.2825, 424.3695

 30.8670, 55.4616,
39.2433


 80.4614, 126.0509,
99.4587


 20.6489, 39.7714,
26.6397


 104.5241,
158.7015, 128.3940

 12.9786, 27.3604,
17.0728


 132.9614,
196.5533, 162.4585

 7.4907, 17.8440,
10.1239

 166.1385,
239.9906, 202.0709

 3.8199, 10.8381,
5.3745

 204.4209,
289.3977, 247.6496

 1.6007, 5.9581,
2.4061

248.1740,

 0.3929, 2.8196,

345.1592, 299.6133

0.7897

297.7629,
407.6593, 358.3804

■ 0.0000, 1.0383,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.9982, 74.8153,
55.3019

■ 43.9982, 74.8153,
55.3019

■ 43.9975, 74.8150,
55.2982

■ 45.1978, 75.3429,
59.4571

■ 46.9776, 76.1649,
63.8574

■ 49.5034, 77.3666,
68.5150

■ 52.8766, 79.0000,
73.4378

■ 57.1821, 81.1091,
78.6330

■ 62.4943, 83.7320,
84.1070

■ 68.8800, 86.9031,
89.8659

■ 76.3999, 90.6536,
95.9154

■ 85.1101, 95.0125,
102.2612

Harmonies

Analogous

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



51.1780, 74.8153, 29.1880



43.9982, 74.8153, 55.3019



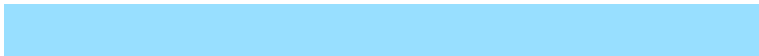
43.3183, 74.8153, 102.6046

Triad

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



43.9982, 74.8153, 55.3019



78.1529, 74.8153, 214.4229



98.8097, 74.8153, 33.0630

Complementary

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



43.9982, 74.8153, 55.3019



42.5113, 21.7691, 8.6231

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.



108.7962, 74.8153, 63.4423



43.9982, 74.8153, 55.3019



95.6422, 74.8153, 174.7658

Square

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



43.9982, 74.8153, 55.3019



61.2670, 74.8153, 209.3249



107.5513, 74.8153, 114.7906



81.9538, 74.8153, 20.3988

Rectangle

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



43.9982, 74.8153, 55.3019



46.4769, 74.8153, 142.6552



107.5513, 74.8153, 114.7906



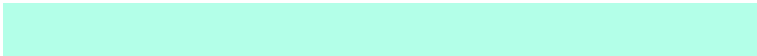
103.1954, 74.8153, 40.8773

Sweetspot

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



43.9989, 74.8156, 55.3032



68.8714, 86.8988, 89.8585



38.7823, 73.0780, 12.0623



14.1363, 18.2991, 18.7062



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

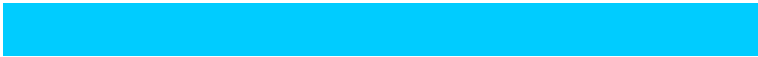
The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.9989, 74.8156, 55.3032



43.9975, 74.8150, 55.2982



39.6448, 50.4089, 102.2481



18.3138, 20.3850, 21.9553



23.0582, 39.1199, 29.2554



2.2929, 3.8281, 3.1005

Inverse Universe

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



42.5113, 21.7691, 8.6231



42.5102, 21.7681, 8.6190



42.4251, 23.6299, 2.3259



18.2292, 18.0750, 19.8239



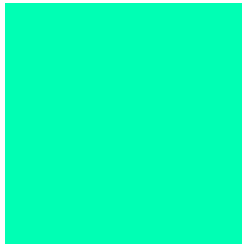
22.2689, 11.3968, 4.8003



2.2136, 1.1278, 0.7061

Previews

White Background



This preview shows how the XYZ color 43.9982, 74.8153, 55.3019 looks on a white background.

Color Contrast Check

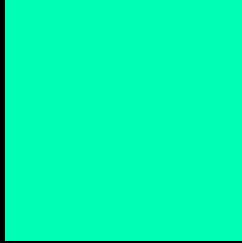
Large Text (above 18pt) WCAG AA × Fail

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 43.9982, 74.8153, 55.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

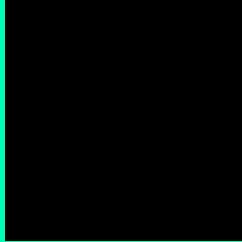
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.9982, 74.8153, 55.3019

Background



This preview shows how black text looks on a background with the XYZ color 43.9982, 74.8153, 55.3019.



This preview shows how white text looks on a background with the XYZ color 43.9982, 74.8153,

Color Blindness Simulation

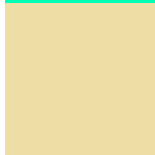
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



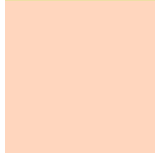
Original Color

43.9982, 74.8153, 55.3019



Protanopia

68.1727, 73.1363, 46.1209



Deuteranopia

74.5808, 73.0708, 58.8884



Tritanopia

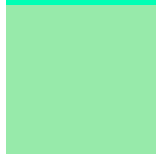
58.7480, 74.0213, 105.7989

Trichromacy



Original Color

43.9982, 74.8153, 55.3019



Protanomaly

49.4410, 68.3272, 48.6129



Deuteranomaly

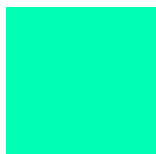
51.7825, 67.2652, 56.7086



Tritanomaly

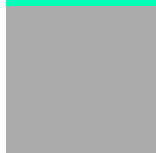
50.4023, 72.8375, 84.8014

Monochromacy



Original Color

43.9982, 74.8153, 55.3019



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.7110, 48.0174, 47.4832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9982, 74.8153, 55.3019 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 180) }
```

Border

The CSS property to change the border of an element to XYZ 43.9982, 74.8153, 55.3019 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, 180) }
```


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

```
.border{ border-color:rgb(0, 255, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9982, 74.8153, 55.3019 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, 180) }
```

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

```
.background{ background-color: rgb(0, 255,  
180) }
```

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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