

Converting Colors

XYZ(43.0777, 74.4471, 50.4546)

Have a look what the booklet for
XYZ(43.0777, 74.4471, 50.4546)
contains.

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Color

**XYZ(43.1107, 74.4603,
50.6282)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFAB
RGB	0, 255, 171
RGB Percent	0%, 100%, 67%
CMY	0.9999, 0.0000, 0.3294
CMYK	1.00, 0.00, 0.33, 0.00
HSL	160°, 100%, 50%
HSV	160°, 100%, 100%
XYZ	43.1107, 74.4603, 50.6282
YIQ	169.1790, -125.0160, -80.1840

Conversions

Conversions Part 2

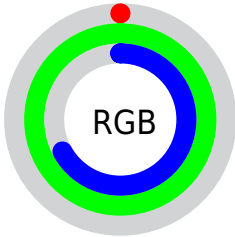
Format	Color
RYB	0, 153, 255
Decimal	65451
CIELab	89.14, -69.02, 26.33
CIELCh	89, 73.874, 159.118
Yxy	74.4603, 0.2563, 0.4427
Android (android.graphics.Color)	4278255531 (0xFF00FFAB)
YUV	169.1790, 0.8978, -148.3700
Hunter-Lab	86.2904, -61.8295, 25.6167

Details

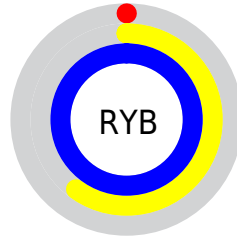
The XYZ color **43.1107, 74.4603, 50.6282** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **42.8417, 21.9012, 10.3627**, and the grayscale version is **37.8450, 39.8159, 43.3595**.

A 20% lighter version of the original color is **56.8276, 80.7791, 85.2698**, and **23.2363, 41.2405, 23.8751** is the 20% darker color. If you saturate the color by 10%, you get **43.1100, 74.4600, 50.6243**, and if you desaturate by 10%, it is **44.3517, 75.0045, 55.0018**.

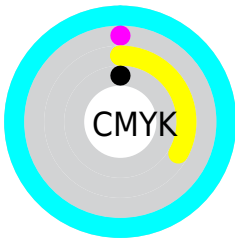
Distribution



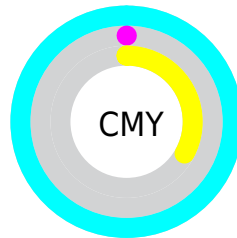
- Red (0%)
- Green (100%)
- Blue (67%)



- Red (0%)
- Yellow (60%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.1107, 74.4603, 50.6282 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 43.1107, 74.4603, 50.6282 by changing the saturation by 10% instead.


 43.1107, 74.4603,
50.6282


 43.1107, 74.4603,
50.6282


349.9806,
476.0605, 405.9228


 30.1669, 55.1709,
35.5381


 79.1326, 125.5481,
92.5108


 20.1140, 39.5385,
23.7908


 102.9413,
158.1152, 120.1404


 12.5867, 27.1789,
14.9678


 131.1024,
195.8771, 152.7870

 7.2196, 17.7077,
8.6504

 163.9812,
239.2180, 190.8691

 3.6474, 10.7403,
4.4202

 201.9431,
288.5224, 234.8051

 1.5046, 5.8925,
1.8586

245.3534,

 0.3290, 2.7798,

344.1747, 285.0137

0.4662

294.5774,
406.5593, 341.9134

■ 0.0000, 1.0179,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.1107, 74.4603,
50.6282

■ 43.1107, 74.4603,
50.6282

■ 43.1100, 74.4600,
50.6243

■ 44.3517, 75.0045,
55.0018

■ 46.1828, 75.8470,
59.6722

■ 48.7700, 77.0732,
64.6531

■ 52.2149, 78.7353,
69.9538

■ 56.6027, 80.8773,
75.5826

■ 62.0082, 83.5375,
81.5475

■ 68.4981, 86.7503,
87.8558

■ 76.1336, 90.5471,
94.5144

■ 84.9711, 94.9568,
101.5301

Harmonies

Analogous

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



51.1049, 74.4603, 25.9251



43.1107, 74.4603, 50.6282



41.8049, 74.4603, 97.8191

Triad

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



43.1107, 74.4603, 50.6282



76.4000, 74.4603, 223.6023



101.1630, 74.4603, 33.2388

Complementary

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



43.1107, 74.4603, 50.6282



42.8417, 21.9012, 10.3627

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.



110.7397, 74.4603, 66.3591



43.1107, 74.4603, 50.6282



94.9312, 74.4603, 184.8525

Square

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



43.1107, 74.4603, 50.6282



59.1390, 74.4603, 213.4210



108.2838, 74.4603, 121.7848



83.8391, 74.4603, 19.2516

Rectangle

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



43.1107, 74.4603, 50.6282



44.6381, 74.4603, 139.5052



108.2838, 74.4603, 121.7848



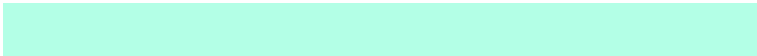
105.5180, 74.4603, 41.7741

Sweetspot

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



43.1113, 74.4606, 50.6295



68.4896, 86.7460, 87.8479



39.5084, 73.4523, 12.0963



14.0449, 18.2625, 18.2248



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.



43.1113, 74.4606, 50.6295



43.1100, 74.4600, 50.6243



41.7204, 54.5601, 102.9400



18.2855, 20.3737, 21.8062



22.5978, 38.9357, 26.8308



2.2508, 3.8112, 2.8784

Inverse Universe

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



42.8417, 21.9012, 10.3627



42.8405, 21.9002, 10.3583



42.0869, 22.9535, 2.2131



18.2561, 18.0858, 19.9658



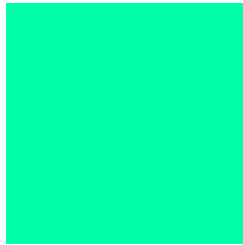
22.4462, 11.4678, 5.7339



2.2335, 1.1358, 0.8111

Previews

White Background



This preview shows how the XYZ color 43.1107, 74.4603, 50.6282 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 43.1107, 74.4603, 50.6282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

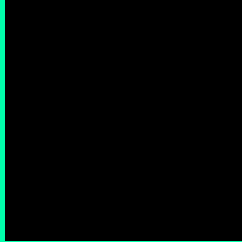
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

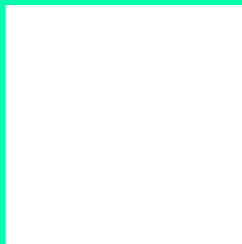
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.1107, 74.4603, 50.6282

Background



This preview shows how black text looks on a background with the XYZ color 43.1107, 74.4603, 50.6282.



This preview shows how white text looks on a background with the XYZ color 43.1107, 74.4603,

Color Blindness Simulation

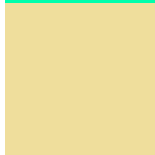
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



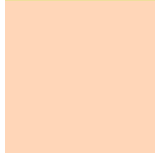
Original Color

43.1107, 74.4603, 50.6282



Protanopia

67.7186, 72.9936, 41.9725



Deuteranopia

73.9383, 72.8138, 55.5049



Tritanopia

58.4322, 73.8585, 105.7842

Trichromacy



Original Color

43.1107, 74.4603, 50.6282



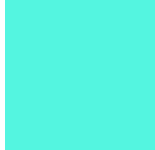
Protanomaly

48.8047, 68.0942, 44.2894



Deuteranomaly

51.0563, 66.9747, 52.8843



Tritanomaly

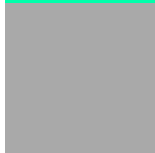
49.7631, 72.5715, 81.9059

Monochromacy



Original Color

43.1107, 74.4603, 50.6282



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.0943, 47.3990, 45.3822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.1107, 74.4603, 50.6282 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 43.1107, 74.4603, 50.6282 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, 171) }
```


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

```
.border{ border-color:rgb(0, 255, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 43.1107, 74.4603, 50.6282 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, 171) }
```

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

```
.background{ background-color: rgb(0, 255,  
171) }
```

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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