

Converting Colors

XYZ(44.4204, 75.1419, 50.3997)

Have a look what the booklet for
XYZ(44.4204, 75.1419, 50.3997)
contains.

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Color

**XYZ(44.3809, 75.1261,
50.1919)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFAA
RGB	51, 255, 170
RGB Percent	20%, 100%, 67%
CMY	0.8000, 0.0000, 0.3333
CMYK	0.80, 0.00, 0.33, 0.00
HSL	155°, 100%, 60%
HSV	155°, 80%, 100%
XYZ	44.3809, 75.1261, 50.1919
YIQ	184.3140, -94.2990, -69.6830

Conversions

Conversions Part 2

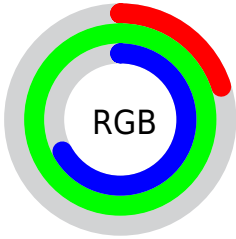
Format	Color
RYB	51, 180, 255
Decimal	3407786
CIELab	89.45, -66.63, 27.32
CIELCh	89, 72.014, 157.708
Yxy	75.1261, 0.2615, 0.4427
Android (android.graphics.Color)	4281597866 (0xFF33FFAA)
YUV	184.3140, -7.0568, -116.9164
Hunter-Lab	86.6753, -60.2833, 26.3391

Details

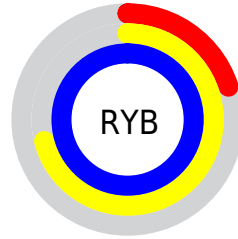
The XYZ color **44.3809, 75.1261, 50.1919** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **46.8683, 25.4059, 25.7275**, and the grayscale version is **45.8094, 48.1951, 52.4844**.

A 20% lighter version of the original color is **58.6934, 81.7568, 84.6387**, and **23.1771, 41.2169, 23.5637** is the 20% darker color. If you saturate the color by 10%, you get **42.4643, 74.2495, 45.0664**, and if you desaturate by 10%, it is **47.0832, 76.3982, 55.7808**.

Distribution



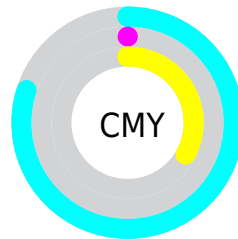
- Red (20%)
- Green (100%)
- Blue (67%)



- Red (20%)
- Yellow (71%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3809, 75.1261, 50.1919 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 44.3809, 75.1261, 50.1919 by changing the saturation by 10% instead.


 44.3809, 75.1261,
50.1919


 44.3809, 75.1261,
50.1919


355.0864,
478.3509, 404.1725

 31.1693, 55.7162,
35.1937


 81.0334, 126.4908,
91.8584

 20.8802, 39.9754,
23.5273


 105.2050,
159.2145, 119.3637

 13.1484, 27.5194,
14.7744


 133.7606,
197.1448, 151.8751

 7.6085, 17.9637,
8.5164

 167.0656,
240.6663, 189.8111

 3.8952, 10.9239,
4.3346

205.4853,
290.1632, 233.5903

 1.6430, 6.0157,
1.8107

249.3851,

 0.4202, 2.8546,

346.0200, 283.6313

0.4350

299.1303,
408.6211, 340.3525

■ 0.0000, 1.0563,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.3809, 75.1261,
50.1919

■ 44.3809, 75.1261,
50.1919

■ 42.4643, 74.2495,
45.0664

■ 47.0832, 76.3982,
55.7808

■ 41.1652, 73.6821,
40.3828

■ 50.6720, 78.1179,
61.8436

■ 41.1649, 73.6819,
40.3817

■ 55.2341, 80.3295,
68.3951

■ 60.8452, 83.0718,
75.4478

■ 67.5729, 86.3796,
83.0137

■ 75.4793, 90.2845,
91.1041

■ 84.6214, 94.8160,
99.7301

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.



52.5931, 75.1261, 26.4815



44.3809, 75.1261, 50.1919



42.7767, 75.1261, 95.5419

Triad

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



44.3809, 75.1261, 50.1919



76.0548, 75.1261, 220.8735



101.7617, 75.1261, 35.5881

Complementary

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



44.3809, 75.1261, 50.1919



46.8683, 25.4059, 25.7275

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.



110.5943, 75.1261, 69.4425



44.3809, 75.1261, 50.1919



94.2403, 75.1261, 185.3105

Square

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



44.3809, 75.1261, 50.1919



59.2895, 75.1261, 208.7209



107.6362, 75.1261, 124.4861



85.0681, 75.1261, 20.7980

Rectangle

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



44.3809, 75.1261, 50.1919



45.3755, 75.1261, 135.8289



107.6362, 75.1261, 124.4861



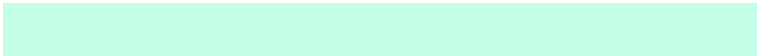
105.8640, 75.1261, 44.4172

Sweetspot

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



44.3815, 75.1263, 50.1932



72.1696, 88.6480, 87.8023



46.5116, 76.9936, 15.5425



14.8517, 18.6802, 18.1795



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.



44.3815, 75.1263, 50.1932



41.6375, 73.8857, 42.2039



49.9902, 69.0733, 105.3055



18.2160, 20.3459, 21.4404



21.5857, 38.5309, 21.5014



2.1562, 3.7734, 2.3804

Inverse Universe

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



46.8683, 25.4059, 25.7275



44.2865, 22.6557, 17.4265



43.9051, 25.6340, 5.7665



18.3233, 18.1126, 20.3195



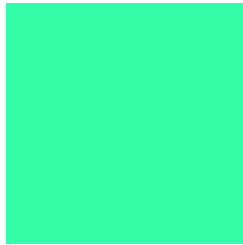
22.9852, 11.6834, 8.5727



2.2909, 1.1587, 1.1135

Previews

White Background



This preview shows how the XYZ color 44.3809, 75.1261, 50.1919 looks on a white background.

Color Contrast Check

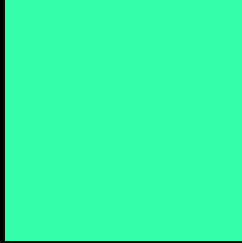
Large Text (above 18pt) WCAG AA × Fail

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 44.3809, 75.1261, 50.1919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

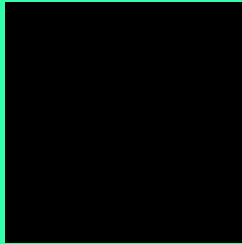
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.3809, 75.1261, 50.1919

Background



This preview shows how black text looks on a background with the XYZ color 44.3809, 75.1261, 50.1919.



This preview shows how white text looks on a background with the XYZ color 44.3809, 75.1261,

Color Blindness Simulation

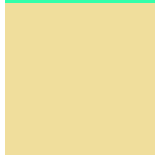
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

44.3809, 75.1261, 50.1919



Protanopia

68.0572, 73.1681, 41.9883



Deuteranopia

74.2974, 73.3637, 56.1436



Tritanopia

59.3977, 74.3563, 105.8293

Trichromacy



Original Color

44.3809, 75.1261, 50.1919



Protanomaly

52.6504, 70.0768, 44.4694



Deuteranomaly

55.5911, 69.7127, 53.7059



Tritanomaly

52.0508, 73.7508, 82.0130

Monochromacy



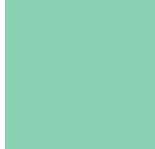
Original Color

44.3809, 75.1261, 50.1919



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.3366, 54.5821, 51.0046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3809, 75.1261, 50.1919 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(51, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 170)  
}
```

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(51, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 170) }
```

Border

The CSS property to change the border of an element to XYZ 44.3809, 75.1261, 50.1919 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(51, 255, 170) }
```


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

```
.border{ border-color:rgb(51, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3809, 75.1261, 50.1919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 170) }
```

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

```
.background{ background-color: rgb(51, 255,  
170) }
```

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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