

Converting Colors

XYZ(44.7785, 77.3060, 44.2728)

Have a look what the booklet for
XYZ(44.7785, 77.3060, 44.2728)
contains.

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Color

**XYZ(43.5907, 74.8539,
44.0491)**

Conversions

Conversions Part 1

Format	Color
Hex	3AFF9D
RGB	58, 255, 157
RGB Percent	23%, 100%, 62%
CMY	0.7725, 0.0000, 0.3843
CMYK	0.77, 0.00, 0.38, 0.00
HSL	150°, 100%, 61%
HSV	150°, 77%, 100%
XYZ	43.5907, 74.8539, 44.0491
YIQ	184.9250, -85.9540, -72.2420

Conversions

Conversions Part 2

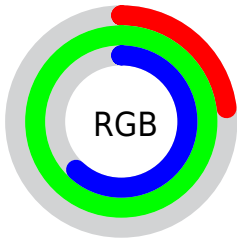
Format	Color
RYB	58, 189, 255
Decimal	3866525
CIELab	89.32, -68.40, 33.68
CIELCh	89, 76.239, 153.787
Yxy	74.8539, 0.2683, 0.4607
Android (android.graphics.Color)	4282056605 (0xFF3AFF9D)
YUV	184.9250, -13.7670, -111.3132
Hunter-Lab	86.5181, -61.4726, 30.3763

Details

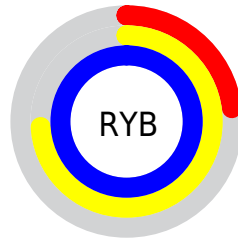
The XYZ color **43.5907, 74.8539, 44.0491** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **48.7541, 26.6869, 34.0345**, and the grayscale version is **46.1811, 48.5861, 52.9103**.

A 20% lighter version of the original color is **57.4752, 81.3418, 74.9586**, and **22.5161, 40.9524, 20.0825** is the 20% darker color. If you saturate the color by 10%, you get **41.4298, 73.8586, 38.5856**, and if you desaturate by 10%, it is **46.5981, 76.2725, 50.1417**.

Distribution



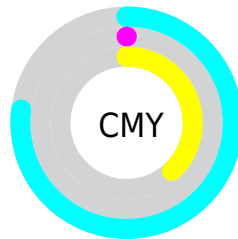
- Red (23%)
- Green (100%)
- Blue (62%)



- Red (23%)
- Yellow (74%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (77%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.5907, 74.8539, 44.0491 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 43.5907, 74.8539, 44.0491 by changing the saturation by 10% instead.


 43.5907, 74.8539,
44.0491


 43.5907, 74.8539,
44.0491


351.9159,
477.4153, 378.9558


 30.5454, 55.4932,
30.3716


 79.8517, 126.1055,
82.5949


 20.4030, 39.7967,
19.8664


 103.7980,
158.7653, 108.3003

 12.7983, 27.3801,
12.1149


 132.1088,
196.6268, 138.8521

 7.3659, 17.8589,
6.6985

 165.1493,
240.0745, 174.6688

 3.7403, 10.8487,
3.1987

203.2849,
289.4928, 216.1690

 1.5563, 5.9652,
1.1970

246.8810,

 0.3637, 2.8239,

345.2661, 263.7712

0.0000

296.3028,
407.7788, 317.8940

■ 0.0000, 1.0405,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.5907, 74.8539,
44.0491

■ 43.5907, 74.8539,
44.0491

■ 41.4298, 73.8586,
38.5856

■ 46.5981, 76.2725,
50.1417

■ 39.9874, 73.2211,
33.7237

■ 50.5493, 78.1643,
56.8815

■ 39.6660, 73.0824,
32.4890

■ 55.5290, 80.5726,
64.2898

■ 61.6117, 83.5355,
72.3859

■ 68.8646, 87.0872,
81.1882

■ 77.3494, 91.2592,
90.7142

■ 87.1234, 96.0808,
100.9807

■ 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.



53.0171, 74.8539, 22.4938



43.5907, 74.8539, 44.0491



41.0395, 74.8539, 88.4728

Triad

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



43.5907, 74.8539, 44.0491



73.5401, 74.8539, 232.8329



105.2875, 74.8539, 36.7079

Complementary

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



43.5907, 74.8539, 44.0491



48.7541, 26.6869, 34.0345

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.



113.2394, 74.8539, 74.9095



43.5907, 74.8539, 44.0491



92.9986, 74.8539, 200.0508

Square

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



43.5907, 74.8539, 44.0491



56.4593, 74.8539, 212.6429



108.3919, 74.8539, 135.7744



88.1823, 74.8539, 19.7405

Rectangle

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



43.5907, 74.8539, 44.0491



43.1297, 74.8539, 130.3138



108.3919, 74.8539, 135.7744



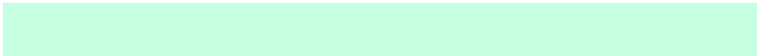
109.2433, 74.8539, 46.7147

Sweetspot

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



43.5912, 74.8541, 44.0504



72.3194, 88.7841, 85.1504



50.3315, 78.9436, 16.5884



14.8482, 18.6934, 17.5036



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.



43.5912, 74.8541, 44.0504



40.5240, 73.4541, 35.7196



55.5552, 79.6397, 107.0517



18.1524, 20.3205, 21.1053



20.8018, 38.2173, 17.3735



2.0805, 3.7431, 1.9820

Inverse Universe

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



48.7541, 26.6869, 34.0345



45.8852, 23.4603, 25.3362



43.5171, 24.5921, 6.4567



18.3862, 18.1378, 20.6508



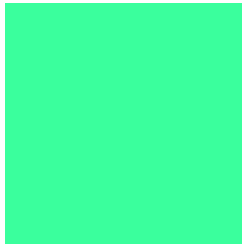
23.6207, 11.9376, 11.9188



2.3550, 1.1844, 1.4506

Previews

White Background



This preview shows how the XYZ color 43.5907, 74.8539, 44.0491 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 43.5907, 74.8539, 44.0491 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

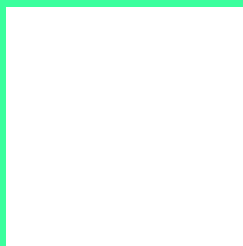
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.5907, 74.8539, 44.0491

Background



This preview shows how black text looks on a background with the XYZ color 43.5907, 74.8539, 44.0491.

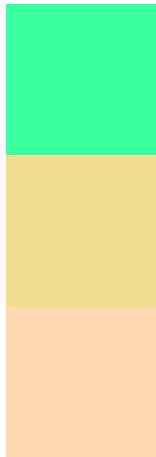


This preview shows how white text looks on a background with the XYZ color 43.5907, 74.8539,

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

43.5907, 74.8539, 44.0491

Protanopia

67.7733, 73.1334, 36.9297

Deuteranopia

73.6771, 73.1156, 52.8773



Tritanopia

59.3977, 74.3563, 105.8293

Trichromacy



Original Color

43.5907, 74.8539, 44.0491



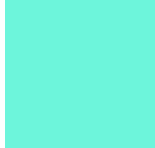
Protanomaly

52.5268, 70.1295, 39.2017



Deuteranomaly

55.1759, 69.6012, 49.0544



Tritanomaly

51.7453, 73.6705, 78.5104

Monochromacy



Original Color

43.5907, 74.8539, 44.0491



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.4319, 54.6773, 48.9275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5907, 74.8539, 44.0491 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(58, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(58, 255, 157)  
}
```

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(58, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 43.5907, 74.8539, 44.0491 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(58, 255, 157) }
```


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

```
.border{ border-color:rgb(58, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(58, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5907, 74.8539, 44.0491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 255, 157) }
```

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

```
.background{ background-color: rgb(58, 255,  
157) }
```

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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