

Converting Colors

XYZ(55.3749, 80.8836, 46.6446)

Have a look what the booklet for
XYZ(55.3749, 80.8836, 46.6446)
contains.

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Color

**XYZ(55.4185, 80.9009,
46.8770)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFA2
RGB	153, 255, 162
RGB Percent	60%, 100%, 64%
CMY	0.4000, 0.0000, 0.3647
CMYK	0.40, 0.00, 0.36, 0.00
HSL	125°, 100%, 80%
HSV	125°, 40%, 100%
XYZ	55.4185, 80.9009, 46.8770
YIQ	213.9000, -30.9390, -50.5470

Conversions

Conversions Part 2

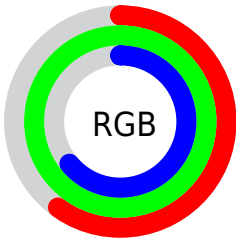
Format	Color
RYB	153, 247, 255
Decimal	10092450
CIELab	92.09, -48.18, 35.34
CIElCh	92, 59.754, 143.743
Yxy	80.9009, 0.3025, 0.4416
Android (android.graphics.Color)	4288282530 (0xFF99FFA2)
YUV	213.9000, -25.5867, -53.4093
Hunter-Lab	89.9449, -47.4230, 32.0610

Details

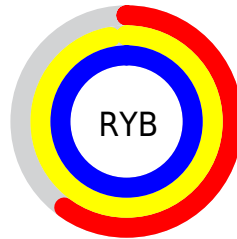
The XYZ color **55.4185, 80.9009, 46.8770** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.2659, 50.6968, 93.3227**, and the grayscale version is **64.0307, 67.3653, 73.3608**.

A 20% lighter version of the original color is **75.2789, 90.4308, 79.8169**, and **27.7783, 43.9791, 21.4927** is the 20% darker color. If you saturate the color by 10%, you get **49.2295, 77.9275, 36.7784**, and if you desaturate by 10%, it is **63.0191, 84.5579, 59.0386**.

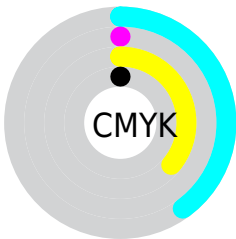
Distribution



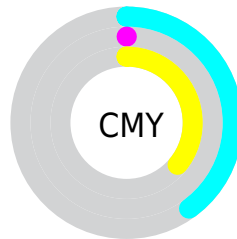
- Red (60%)
- Green (100%)
- Blue (64%)



- Red (60%)
- Yellow (97%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4185, 80.9009, 46.8770 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 55.4185, 80.9009, 46.8770 by changing the saturation by 10% instead.


 55.4185, 80.9009,
46.8770


 55.4185, 80.9009,
46.8770


397.6070,
497.9638, 390.7029

 39.9721, 60.4600,
32.5848


 97.2986, 134.6316,
86.8781

 27.7009, 43.7895,
21.5400


 124.4630,
168.6902, 113.4240

 18.2396, 30.5051,
13.3242


156.2640,
208.0568, 144.8915

 11.2229, 20.2223,
7.5189

193.0671,
253.1158, 181.6993

 6.2853, 12.5567,
3.7053

235.2376,
304.2516, 224.2657

 3.0617, 7.1240,
1.4651

283.1409,

 1.1865, 3.5398,

361.8486, 273.0095

0.1917

337.1422,
426.2912, 328.3490

■ 0.0956, 1.4196,
0.0000

■ 0.0000, 0.2311,
0.0000

■ 55.4185, 80.9009,
46.8770

■ 55.4185, 80.9009,
46.8770

■ 49.2295, 77.9275,
36.7784

■ 63.0191, 84.5579,
59.0386

■ 44.3632, 75.5943,
28.6249

■ 72.1094, 88.9364,
73.3648

■ 40.7234, 73.8543,
22.2924

■ 82.7637, 94.0728,
89.9550

■ 38.1996, 72.6536,
17.6411

95.0500, 100.0000,
108.9000

■ 36.6617, 71.9284,
14.5107

■ 35.9098, 71.5799,
12.7085

■ 35.9097, 71.5799,
12.7084

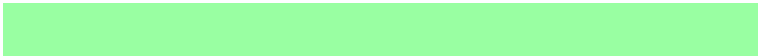
Harmonies

Analogous

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



65.5860, 80.9009, 31.0628



55.4185, 80.9009, 46.8770



51.0738, 80.9009, 79.1709

Triad

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



55.4185, 80.9009, 46.8770



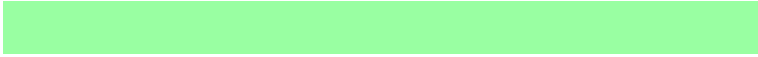
73.7140, 80.9009, 202.0153



107.2803, 80.9009, 58.1858

Complementary

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



55.4185, 80.9009, 46.8770



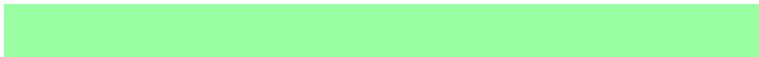
69.2659, 50.6968, 93.3227

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.



110.2132, 80.9009, 97.6492



55.4185, 80.9009, 46.8770



89.4321, 80.9009, 190.6416

Square

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



55.4185, 80.9009, 46.8770



60.6897, 80.9009, 175.6031



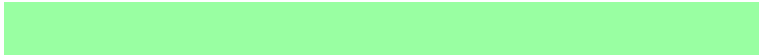
103.3041, 80.9009, 148.3036



95.7526, 80.9009, 35.9043

Rectangle

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



55.4185, 80.9009, 46.8770



51.5861, 80.9009, 109.7892



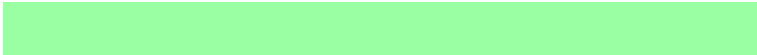
103.3041, 80.9009, 148.3036



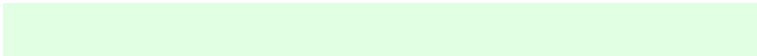
109.3627, 80.9009, 69.4521

Sweetspot

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



55.4190, 80.9012, 46.8783



80.5036, 92.9829, 86.4502



79.6916, 93.5034, 43.9855



16.9227, 19.7535, 18.0249



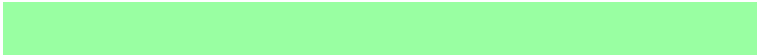
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

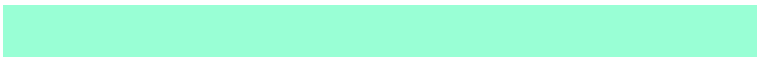
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.4190, 80.9012, 46.8783



50.3582, 78.4694, 38.6383



60.8441, 83.0712, 75.4466



17.8366, 20.1942, 19.4427



18.7856, 37.4108, 6.7562



1.8502, 3.6510, 0.7687

Inverse Universe

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



69.2659, 50.6968, 93.3227



65.9322, 44.4695, 90.8546



62.5386, 48.0059, 57.8972



18.7195, 18.2711, 22.4058



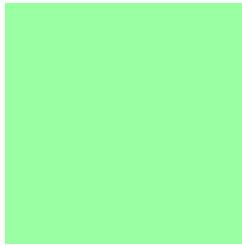
29.2252, 14.1794, 41.4318



2.8650, 1.3884, 4.1366

Previews

White Background



This preview shows how the XYZ color 55.4185, 80.9009, 46.8770 looks on a white background.

Color Contrast Check

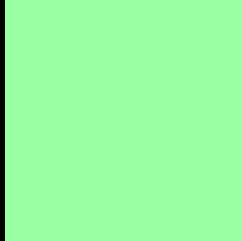
Large Text (above 18pt) WCAG AA × Fail

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 55.4185, 80.9009, 46.8770 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 55.4185, 80.9009, 46.8770

Background



This preview shows how black text looks on a background with the XYZ color 55.4185, 80.9009, 46.8770.



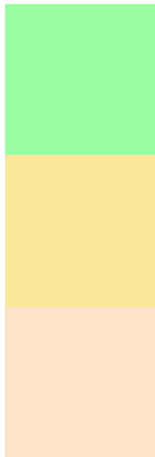
This preview shows how white text looks on a background with the XYZ color 55.4185, 80.9009,

46.8770.

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

55.4185, 80.9009, 46.8770

Protanopia

74.0271, 79.9281, 41.2318

Deuteranopia

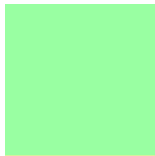
78.8617, 79.8228, 65.8945



Tritanopia

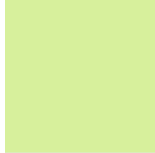
70.4453, 80.4873, 106.4305

Trichromacy



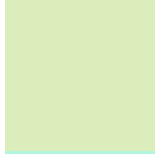
Original Color

55.4185, 80.9009, 46.8770



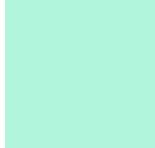
Protanomaly

65.1852, 79.1675, 43.2977



Deuteranomaly

68.0606, 79.0190, 58.1194



Tritanomaly

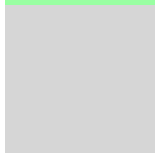
63.8350, 79.8724, 80.4591

Monochromacy



Original Color

55.4185, 80.9009, 46.8770



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.6079, 71.1852, 62.2282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4185, 80.9009, 46.8770 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(153, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 162)  
}
```

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(153, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 55.4185, 80.9009, 46.8770 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(153, 255, 162) }
```


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

```
.border{ border-color:rgb(153, 255, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4185, 80.9009, 46.8770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 162) }
```

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

```
.background{ background-color: rgb(153,  
255, 162) }
```

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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