

Converting Colors

XYZ(55.9935, 81.1973, 46.9063)

Have a look what the booklet for
XYZ(55.9935, 81.1973, 46.9063)
contains.

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Color

**XYZ(55.9919, 81.1966,
46.9038)**

Conversions

Conversions Part 1

Format	Color
Hex	9CFFA2
RGB	156, 255, 162
RGB Percent	61%, 100%, 64%
CMY	0.3882, 0.0000, 0.3647
CMYK	0.39, 0.00, 0.36, 0.00
HSL	124°, 100%, 81%
HSV	124°, 39%, 100%
XYZ	55.9919, 81.1966, 46.9038
YIQ	214.7970, -29.1510, -49.9110

Conversions

Conversions Part 2

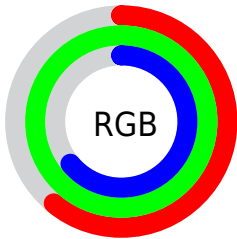
Format	Color
RYB	156, 249, 255
Decimal	10289058
CIELab	92.22, -47.32, 35.54
CIElCh	92, 59.175, 143.091
Yxy	81.1966, 0.3042, 0.4411
Android (android.graphics.Color)	4288479138 (0xFF9CFFA2)
YUV	214.7970, -26.0289, -51.5650
Hunter-Lab	90.1092, -46.7749, 32.2147

Details

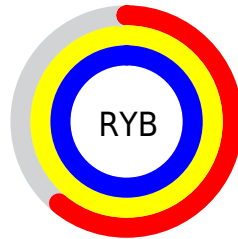
The XYZ color **55.9919, 81.1966, 46.9038** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **70.2273, 51.8768, 95.9332**, and the grayscale version is **64.6383, 68.0046, 74.0570**.

A 20% lighter version of the original color is **76.1464, 90.8781, 79.8576**, and **28.1000, 44.1449, 21.5078** is the 20% darker color. If you saturate the color by 10%, you get **49.6339, 78.1419, 36.5301**, and if you desaturate by 10%, it is **63.7921, 84.9478, 59.4646**.

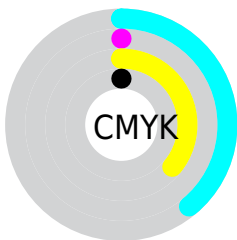
Distribution



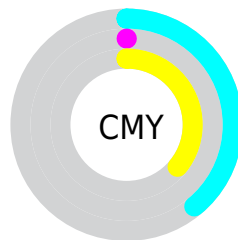
- Red (61%)
- Green (100%)
- Blue (64%)



- Red (61%)
- Yellow (98%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9919, 81.1966, 46.9038 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 55.9919, 81.1966, 46.9038 by changing the saturation by 10% instead.


 55.9919, 81.1966,
46.9038


 55.9919, 81.1966,
46.9038


399.7365,
498.9564, 390.8130

 40.4334, 60.7035,
32.6058


 98.1326, 135.0468,
86.9185

 28.0623, 43.9859,
21.5560


 125.4455,
169.1727, 113.4723

 18.5134, 30.6595,
13.3358


157.4073,
208.6117, 144.9484

 11.4211, 20.3397,
7.5268

194.3833,
253.7481, 181.7654

 6.4202, 12.6422,
3.7103

236.7389,
304.9664, 224.3418

 3.1453, 7.1826,
1.4678

284.8394,

 1.2311, 3.5766,

362.6509, 273.0962

0.1938

339.0501,
427.1861, 328.4471

0.1307, 1.4396,
0.0000

0.0000, 0.2457,
0.0000

55.9919, 81.1966,
46.9038

55.9919, 81.1966,
46.9038

49.6339, 78.1419,
36.5301

63.7921, 84.9478,
59.4646

44.6285, 75.7404,
28.2149

73.1142, 89.4343,
74.3236

40.8777, 73.9444,
21.8224

84.0335, 94.6926,
91.5888

38.2702, 72.6998,
17.1985

95.0500, 100.0000,
108.9000

■ 36.6748, 71.9428,
14.1657

■ 35.9090, 71.5840,
12.5087

■ 35.8495, 71.5558,
12.3915

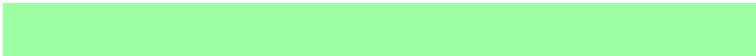
Harmonies

Analogous

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



66.2196, 81.1966, 31.4107



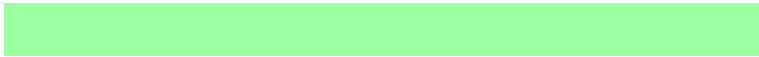
55.9919, 81.1966, 46.9038



51.5352, 81.1966, 78.6714

Triad

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



55.9919, 81.1966, 46.9038



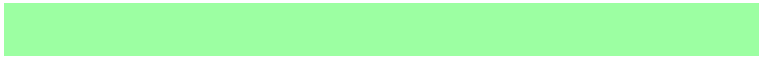
73.6953, 81.1966, 200.9651



107.4684, 81.1966, 59.3531

Complementary

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



55.9919, 81.1966, 46.9038



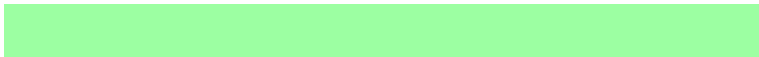
70.2273, 51.8768, 95.9332

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.



110.1588, 81.1966, 98.9194



55.9919, 81.1966, 46.9038



89.2764, 81.1966, 190.5559

Square

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



55.9919, 81.1966, 46.9038



60.8459, 81.1966, 174.1651



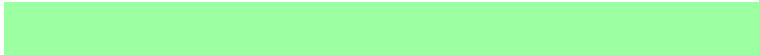
103.1223, 81.1966, 149.1577



96.1916, 81.1966, 36.7651

Rectangle

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



55.9919, 81.1966, 46.9038



51.9565, 81.1966, 108.8623



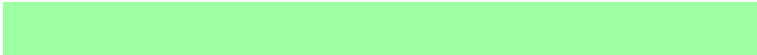
103.1223, 81.1966, 149.1577



109.4631, 81.1966, 70.6933

Sweetspot

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



55.9923, 81.1968, 46.9051



80.3871, 92.9363, 85.8368



81.2031, 94.2536, 45.3659



16.8956, 19.7426, 17.8819



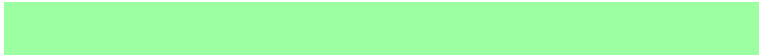
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

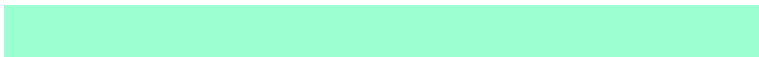
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.9923, 81.1968, 46.9051



50.6896, 78.6488, 38.2642



61.1596, 83.2637, 74.1155



17.8162, 20.1860, 19.3351



18.7493, 37.3963, 6.5650



1.8405, 3.6471, 0.7179

Inverse Universe

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



70.2273, 51.8768, 95.9332



66.8270, 45.3907, 93.8303



63.6185, 49.2333, 61.1315



18.7423, 18.2802, 22.5262



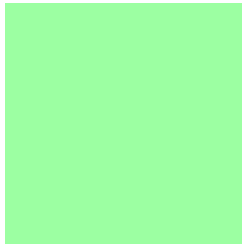
29.7520, 14.3901, 44.2061



2.9107, 1.4067, 4.3772

Previews

White Background



This preview shows how the XYZ color 55.9919, 81.1966, 46.9038 looks on a white background.

Color Contrast Check

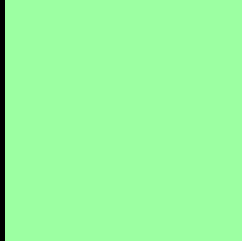
Large Text (above 18pt) WCAG AA × Fail

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 55.9919, 81.1966, 46.9038 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 55.9919, 81.1966, 46.9038

Background



This preview shows how black text looks on a background with the XYZ color 55.9919, 81.1966, 46.9038.

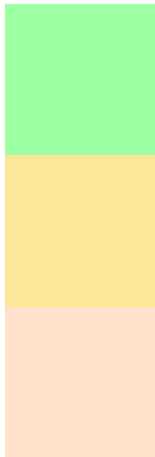


This preview shows how white text looks on a background with the XYZ color 55.9919, 81.1966,

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

55.9919, 81.1966, 46.9038

Protanopia

74.0271, 79.9281, 41.2318

Deuteranopia

78.9790, 79.8698, 66.5121



Tritanopia

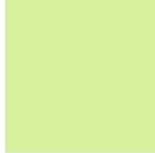
70.9483, 80.7466, 106.4540

Trichromacy



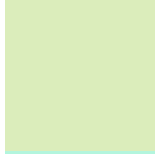
Original Color

55.9919, 81.1966, 46.9038



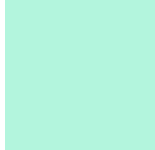
Protanomaly

65.4797, 79.3194, 43.3115



Deuteranomaly

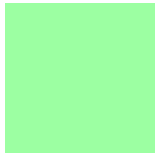
68.4672, 79.2163, 58.6954



Tritanomaly

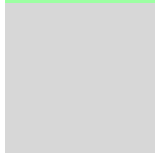
64.2940, 80.1090, 80.4805

Monochromacy



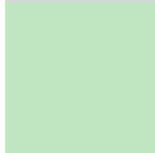
Original Color

55.9919, 81.1966, 46.9038



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.5088, 72.0485, 62.9422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9919, 81.1966, 46.9038 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(156, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 55.9919, 81.1966, 46.9038 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(156, 255, 162) }
```


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

```
.border{ border-color:rgb(156, 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(156, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 255, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 255, 162); box-shadow:4px 4px 4px 4px rgb(156, 255, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9919, 81.1966, 46.9038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 162) }
```

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

```
.background{ background-color: rgb(156,  
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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