

Converting Colors

XYZ(54.8100, 80.7809, 38.1004)

Have a look what the booklet for
XYZ(54.8100, 80.7809, 38.1004)
contains.

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Color

**XYZ(54.9406, 80.8439,
38.3000)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFF8E
RGB	159, 255, 142
RGB Percent	62%, 100%, 56%
CMY	0.3765, 0.0000, 0.4431
CMYK	0.38, 0.00, 0.44, 0.00
HSL	111°, 100%, 78%
HSV	111°, 44%, 100%
XYZ	54.9406, 80.8439, 38.3000
YIQ	213.4140, -20.9430, -55.4950

Conversions

Conversions Part 2

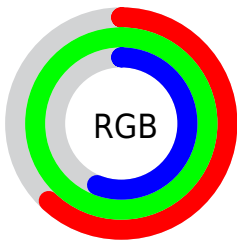
Format	Color
RYB	142, 255, 238
Decimal	10485646
CIELab	92.06, -49.28, 45.13
CIELCh	92, 66.824, 137.514
Yxy	80.8439, 0.3156, 0.4644
Android (android.graphics.Color)	4288675726 (0xFF9FFF8E)
YUV	213.4140, -35.2071, -47.7211
Hunter-Lab	89.9132, -48.2775, 37.6837

Details

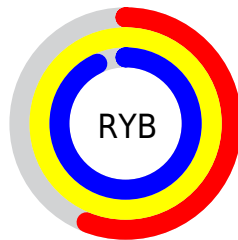
The XYZ color **54.9406, 80.8439, 38.3000** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.9841, 44.7445, 99.9247**, and the grayscale version is **63.7615, 67.0821, 73.0524**.

A 20% lighter version of the original color is **74.4533, 90.3029, 66.3294**, and **27.4767, 43.9342, 16.4832** is the 20% darker color. If you saturate the color by 10%, you get **49.3136, 78.1396, 29.1603**, and if you desaturate by 10%, it is **61.7593, 84.1120, 49.7838**.

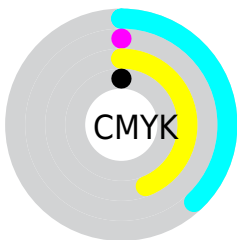
Distribution



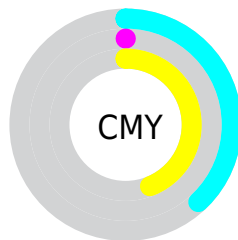
- Red (62%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9406, 80.8439, 38.3000 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 54.9406, 80.8439, 38.3000 by changing the saturation by 10% instead.

 54.9406, 80.8439,
38.3000

 54.9406, 80.8439,
38.3000


395.8268,
497.7723, 354.2418

 39.5878, 60.4130,
25.9120


 96.6027, 134.5516,
73.7762

 27.4001, 43.7516,
16.5326


 123.6428,
168.5972, 97.7015

 18.0121, 30.4753,
9.7434


155.3094,
207.9498, 126.3097

 11.0584, 20.1996,
5.1258

191.9678,
252.9939, 160.0192

 6.1737, 12.5402,
2.2612

233.9834,
304.1137, 199.2486

 2.9927, 7.1127,
0.7094

281.7215,

 1.1499, 3.5327,

361.6938, 244.4165

0.0000

335.5475,
426.1186, 295.9414

0.0662, 1.4158,
0.0000

0.0000, 0.2283,
0.0000

54.9406, 80.8439,
38.3000

54.9406, 80.8439,
38.3000

49.3136, 78.1396,
29.1603

61.7593, 84.1120,
49.7838

44.8075, 75.9660,
22.1996

69.8323, 87.9729,
63.7539

41.3458, 74.2877,
17.2376

79.2193, 92.4546,
80.3457

38.8413, 73.0642,
14.0634

89.9756, 97.5828,
99.6837

■ 37.1919, 72.2486,
12.4188

95.0500, 100.0000,
108.9000

■ 36.5726, 71.9389,
11.9580

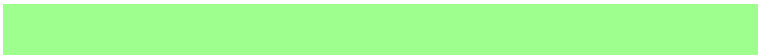
Harmonies

Analogous

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



67.3106, 80.8439, 25.0736



54.9406, 80.8439, 38.3000



48.8621, 80.8439, 69.0953

Triad

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



54.9406, 80.8439, 38.3000



69.9093, 80.8439, 216.6614



112.8895, 80.8439, 62.4876

Complementary

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



54.9406, 80.8439, 38.3000



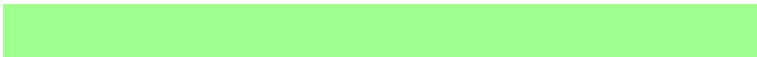
62.9841, 44.7445, 99.9247

Split Complementary

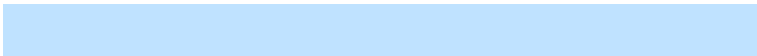
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.8629, 80.8439, 110.1308



54.9406, 80.8439, 38.3000



87.2282, 80.8439, 212.7642

Square

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



54.9406, 80.8439, 38.3000



56.5976, 80.8439, 177.9743



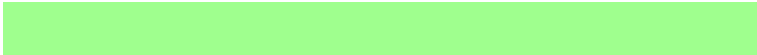
103.8992, 80.8439, 168.7431



101.4105, 80.8439, 35.0241

Rectangle

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



54.9406, 80.8439, 38.3000



48.4947, 80.8439, 101.0014



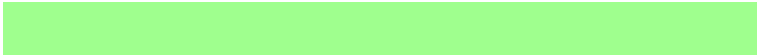
103.8992, 80.8439, 168.7431



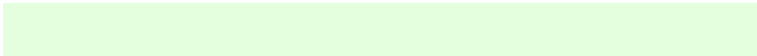
114.5115, 80.8439, 76.2110

Sweetspot

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



54.9410, 80.8441, 38.3013



80.5518, 93.0902, 82.7246



76.1663, 83.3003, 37.6566



16.7646, 19.6977, 16.8560



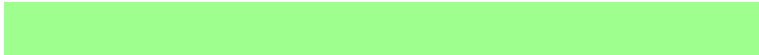
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

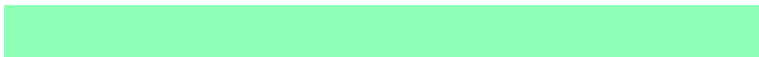
The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.9410, 80.8441, 38.3013



49.9867, 78.4635, 30.2320



55.1204, 80.5529, 55.6465



18.0258, 20.2992, 19.1124



19.1856, 37.6286, 6.2519



1.9394, 3.7005, 0.6121

Inverse Universe

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



62.9841, 44.7445, 99.9247



58.9005, 38.2229, 98.8811



63.4814, 45.6341, 71.3364



18.5084, 18.1538, 22.7785



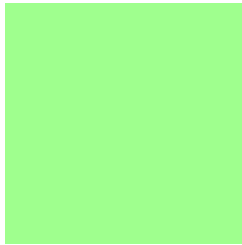
24.4297, 11.5044, 50.3676



2.4483, 1.1560, 4.9074

Previews

White Background



This preview shows how the XYZ color 54.9406, 80.8439, 38.3000 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 54.9406, 80.8439, 38.3000 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 54.9406, 80.8439, 38.3000

Background



This preview shows how black text looks on a background with the XYZ color 54.9406, 80.8439, 38.3000.



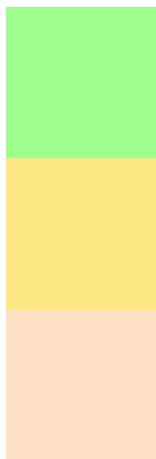
This preview shows how white text looks on a background with the XYZ color 54.9406, 80.8439,

38.3000.

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

54.9406, 80.8439, 38.3000

Protanopia

73.3176, 79.7279, 33.7151

Deuteranopia

78.5144, 79.6839, 64.0657



Tritanopia

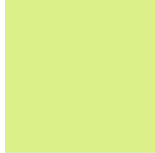
70.6547, 80.1595, 106.3562

Trichromacy



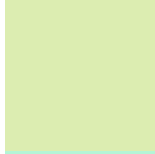
Original Color

54.9406, 80.8439, 38.3000



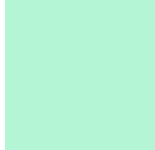
Protanomaly

64.8174, 79.1578, 35.1553



Deuteranomaly

67.7352, 78.9583, 53.2654



Tritanomaly

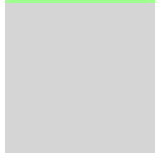
63.6124, 79.8632, 75.6807

Monochromacy



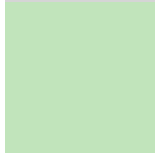
Original Color

54.9406, 80.8439, 38.3000



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.7054, 70.4121, 57.5105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9406, 80.8439, 38.3000 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(159, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 142)  
}
```

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(159, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 54.9406, 80.8439, 38.3000 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(159, 255, 142) }
```


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

```
.border{ border-color:rgb(159, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9406, 80.8439, 38.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 142) }
```

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

```
.background{ background-color: rgb(159,  
255, 142) }
```

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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