

Converting Colors

XYZ(64.3545, 100.0000,
49.7346)

Have a look what the booklet for
XYZ(64.3545, 100.0000, 49.7346)
contains.

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Color

**XYZ(54.5874, 80.4828,
46.3759)**

Conversions

Conversions Part 1

Format	Color
Hex	95FFA1
RGB	149, 255, 161
RGB Percent	58%, 100%, 63%
CMY	0.4157, 0.0000, 0.3686
CMYK	0.42, 0.00, 0.37, 0.00
HSL	127°, 100%, 79%
HSV	127°, 42%, 100%
XYZ	54.5874, 80.4828, 46.3759
YIQ	212.5900, -33.0020, -51.7060

Conversions

Conversions Part 2

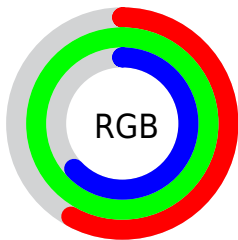
Format	Color
RYB	149, 244, 255
Decimal	9830305
CIELab	91.90, -49.48, 35.56
CIELCh	92, 60.930, 144.297
Yxy	80.4828, 0.3008, 0.4436
Android (android.graphics.Color)	4288020385 (0xFF95FFA1)
YUV	212.5900, -25.4339, -55.7684
Hunter-Lab	89.7122, -48.3840, 32.1491

Details

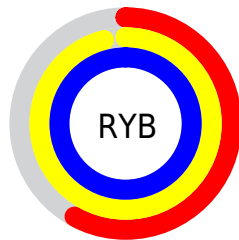
The XYZ color **54.5874, 80.4828, 46.3759** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68.1649, 49.2261, 90.7014**, and the grayscale version is **63.1519, 66.4407, 72.3539**.

A 20% lighter version of the original color is **74.0165, 89.7952, 79.0768**, and **27.3145, 43.7462, 21.1916** is the 20% darker color. If you saturate the color by 10%, you get **48.6160, 77.6143, 36.6118**, and if you desaturate by 10%, it is **61.9388, 84.0209, 58.0895**.

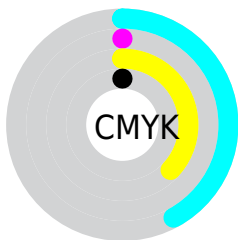
Distribution



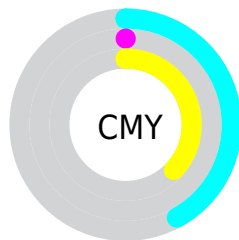
- Red (58%)
- Green (100%)
- Blue (63%)



- Red (58%)
- Yellow (96%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.5874, 80.4828, 46.3759 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 54.5874, 80.4828, 46.3759 by changing the saturation by 10% instead.


 54.5874, 80.4828,
46.3759


 54.5874, 80.4828,
46.3759


394.5079,
496.5584, 388.6392

 39.3040, 60.1157,
32.1917


 96.0880, 134.0443,
86.1215

 27.1781, 43.5119,
21.2420


 123.0360,
168.0075, 112.5200

 17.8443, 30.2870,
13.1080


154.6028,
207.2716, 143.8270

 10.9373, 20.0565,
7.3714

191.1539,
252.2209, 180.4612

 6.0917, 12.4361,
3.6135

233.0546,
303.2399, 222.8409

 2.9421, 7.0414,
1.4158

280.6703,

 1.1232, 3.4880,

360.7128, 271.3848

0.1540

334.3662,
425.0242, 326.5114

0.0444, 1.3915,
0.0000

0.0000, 0.2105,
0.0000

54.5874, 80.4828,
46.3759

54.5874, 80.4828,
46.3759

48.6160, 77.6143,
36.6118

61.9388, 84.0209,
58.0895

43.9365, 75.3725,
28.6878

70.7480, 88.2668,
71.8464

40.4531, 73.7103,
22.4896

81.0884, 93.2564,
87.7388

38.0553, 72.5736,
17.8885

93.0282, 99.0231,
105.8524

■ 36.6122, 71.8979, 95.0500, 100.0000,
14.7377 108.9000

■ 35.9802, 71.6081,
13.0796

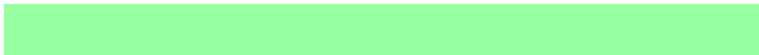
Harmonies

Analogous

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



64.7806, 80.4828, 30.2503



54.5874, 80.4828, 46.3759



50.3108, 80.4828, 79.3514

Triad

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



54.5874, 80.4828, 46.3759



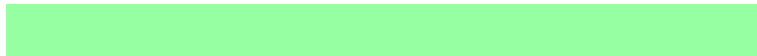
73.5477, 80.4828, 204.2648



107.3004, 80.4828, 56.7633

Complementary

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



54.5874, 80.4828, 46.3759



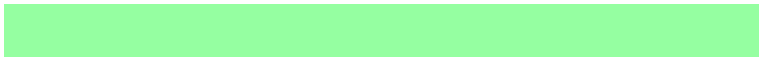
68.1649, 49.2261, 90.7014

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.



110.4819, 80.4828, 96.4697



54.5874, 80.4828, 46.3759



89.5461, 80.4828, 191.8659

Square

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



54.5874, 80.4828, 46.3759



60.2584, 80.4828, 177.7978



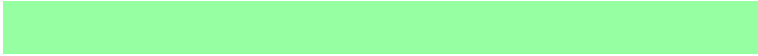
103.6002, 80.4828, 148.0967



95.4174, 80.4828, 34.6590

Rectangle

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



54.5874, 80.4828, 46.3759



50.9048, 80.4828, 110.6615



103.6002, 80.4828, 148.0967



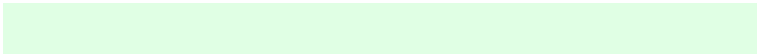
109.4852, 80.4828, 68.0422

Sweetspot

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



54.5878, 80.4829, 46.3772



80.6094, 93.0252, 87.0075



78.6321, 92.9947, 42.2395



16.9474, 19.7633, 18.1549



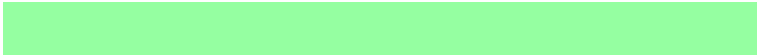
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



54.5878, 80.4829, 46.3772



49.4648, 78.0216, 38.0188



60.1141, 82.6935, 75.4782



17.8552, 20.2016, 19.5403



18.8269, 37.4273, 6.9736



1.8589, 3.6545, 0.8147

Inverse Universe

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



68.1649, 49.2261, 90.7014



64.7062, 42.8930, 87.7465



61.4357, 46.5344, 55.2656



18.6989, 18.2629, 22.2973



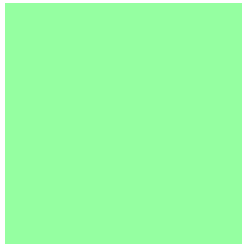
28.7663, 13.9958, 39.0152



2.8250, 1.3724, 3.9259

Previews

White Background



This preview shows how the XYZ color 54.5874, 80.4828, 46.3759 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 54.5874, 80.4828, 46.3759 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 54.5874, 80.4828, 46.3759

Background



This preview shows how black text looks on a background with the XYZ color 54.5874, 80.4828, 46.3759.

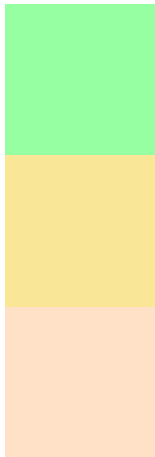


This preview shows how white text looks on a background with the XYZ color 54.5874, 80.4828,

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

54.5874, 80.4828, 46.3759

Protanopia

73.3071, 79.1520, 40.6923

Deuteranopia

78.4740, 79.2339, 65.1905



Tritanopia

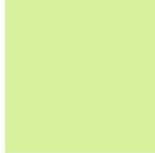
69.7036, 80.1050, 106.3958

Trichromacy



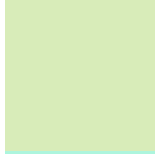
Original Color

54.5874, 80.4828, 46.3759



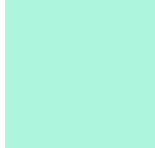
Protanomaly

64.2235, 78.2457, 42.7283



Deuteranomaly

67.0713, 78.0926, 57.4373



Tritanomaly

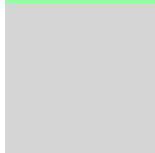
62.9371, 79.4095, 80.4170

Monochromacy



Original Color

54.5874, 80.4828, 46.3759



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.7162, 70.3290, 61.5191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.5874, 80.4828, 46.3759 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(149, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 161)  
}
```

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(149, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 54.5874, 80.4828, 46.3759 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(149, 255, 161) }
```


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

```
.border{ border-color:rgb(149, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 54.5874, 80.4828, 46.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 161) }
```

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

```
.background{ background-color: rgb(149,  
255, 161) }
```

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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