

Converting Colors

XYZ(55.1295, 80.7849, 45.3762)

Have a look what the booklet for
XYZ(55.1295, 80.7849, 45.3762)
contains.

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Color

**XYZ(55.1549, 80.7955,
45.4890)**

Conversions

Conversions Part 1

Format	Color
Hex	99FF9F
RGB	153, 255, 159
RGB Percent	60%, 100%, 62%
CMY	0.4000, 0.0000, 0.3765
CMYK	0.40, 0.00, 0.38, 0.00
HSL	124°, 100%, 80%
HSV	124°, 40%, 100%
XYZ	55.1549, 80.7955, 45.4890
YIQ	213.5580, -29.9760, -51.4800

Conversions

Conversions Part 2

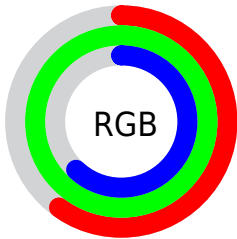
Format	Color
RYB	153, 249, 255
Decimal	10092447
CIELab	92.04, -48.65, 36.76
CIELCh	92, 60.975, 142.919
Yxy	80.7955, 0.3040, 0.4453
Android (android.graphics.Color)	4288282527 (0xFF99FF9F)
YUV	213.5580, -26.8971, -53.1094
Hunter-Lab	89.8863, -47.7722, 32.9154

Details

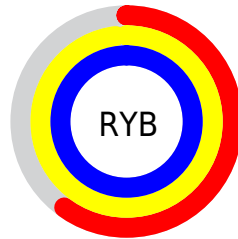
The XYZ color **55.1549, 80.7955, 45.4890** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.7301, 50.8824, 95.7675**, and the grayscale version is **63.8086, 67.1316, 73.1064**.

A 20% lighter version of the original color is **74.7616, 90.2239, 77.0929**, and **27.6195, 43.9156, 20.6565** is the 20% darker color. If you saturate the color by 10%, you get **48.9607, 77.8200, 35.3631**, and if you desaturate by 10%, it is **62.7829, 84.4634, 57.7951**.

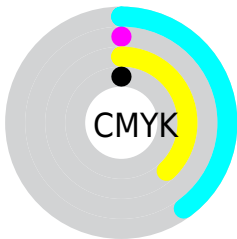
Distribution



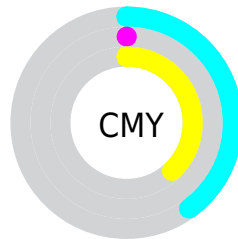
- Red (60%)
- Green (100%)
- Blue (62%)



- Red (60%)
- Yellow (98%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1549, 80.7955, 45.4890 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 55.1549, 80.7955, 45.4890 by changing the saturation by 10% instead.


 55.1549, 80.7955,
45.4890


 55.1549, 80.7955,
45.4890


396.6257,
497.6097, 384.9682

 39.7601, 60.3732,
31.4970


 96.9149, 134.4836,
84.7799

 27.5349, 43.7195,
20.7160


 124.0107,
168.5182, 110.9160

 18.1140, 30.4501,
12.7273


155.7377,
207.8589, 141.9371

 11.1321, 20.1804,
7.1125

192.4610,
252.8903, 178.2619

 6.2237, 12.5263,
3.4531

234.5461,
303.9967, 220.3088

 3.0235, 7.1032,
1.3304

282.3584,

 1.1662, 3.5267,

361.5624, 268.4965

0.0865

336.2631,
425.9720, 323.2434

0.0794, 1.4125,
0.0000

0.0000, 0.2259,
0.0000

55.1549, 80.7955,
45.4890

55.1549, 80.7955,
45.4890

48.9607, 77.8200,
35.3631

62.7829, 84.4634,
57.7951

44.1091, 75.4926,
27.2867

71.9250, 88.8627,
72.3941

40.5009, 73.7653,
21.1211

82.6574, 94.0302,
89.3957

38.0226, 72.5828,
16.7091

95.0500, 100.0000,
108.9000

■ 36.5397, 71.8796,
13.8682

■ 35.8463, 71.5545,
12.3742

■ 35.8462, 71.5545,
12.3742

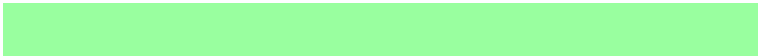
Harmonies

Analogous

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



65.6353, 80.7955, 29.9820



55.1549, 80.7955, 45.4890



50.5802, 80.7955, 77.7477

Triad

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



55.1549, 80.7955, 45.4890



73.1352, 80.7955, 204.5671



108.0622, 80.7955, 58.4358

Complementary

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



55.1549, 80.7955, 45.4890



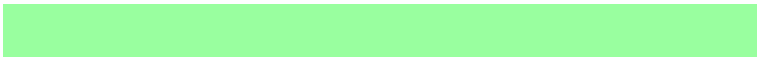
69.7301, 50.8824, 95.7675

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.



110.7864, 80.7955, 99.0567



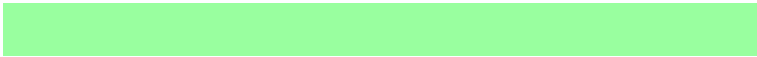
55.1549, 80.7955, 45.4890



89.1501, 80.7955, 193.9422

Square

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



55.1549, 80.7955, 45.4890



60.0043, 80.7955, 176.4579



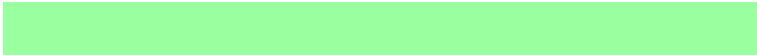
103.4601, 80.7955, 151.0162



96.4547, 80.7955, 35.4835

Rectangle

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



55.1549, 80.7955, 45.4890



50.9852, 80.7955, 108.7357



103.4601, 80.7955, 151.0162



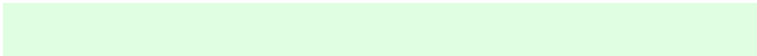
110.1065, 80.7955, 70.0366

Sweetspot

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



55.1554, 80.7957, 45.4903



80.3796, 92.9333, 85.7972



80.8984, 94.1255, 44.0418



16.8938, 19.7419, 17.8727



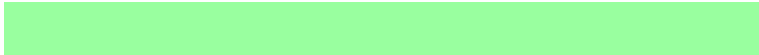
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

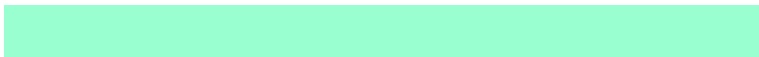
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.1554, 80.7957, 45.4903



50.0888, 78.3617, 37.2197



60.4182, 82.9009, 73.2040



17.8149, 20.1855, 19.3282



18.7472, 37.3955, 6.5543



1.8399, 3.6469, 0.7147

Inverse Universe

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



69.7301, 50.8824, 95.7675



66.4849, 44.6905, 93.7649



62.9287, 48.1618, 59.9519



18.7438, 18.2808, 22.5339



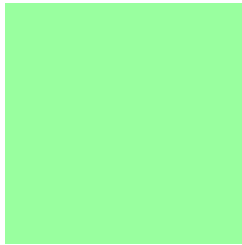
29.7867, 14.4040, 44.3889



2.9137, 1.4079, 4.3930

Previews

White Background



This preview shows how the XYZ color 55.1549, 80.7955, 45.4890 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 55.1549, 80.7955, 45.4890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

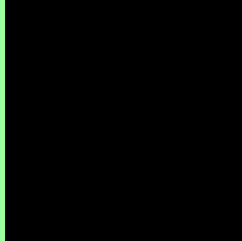
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

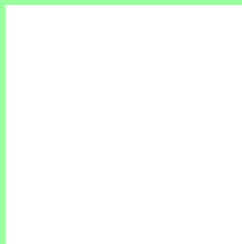
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1549, 80.7955, 45.4890

Background



This preview shows how black text looks on a background with the XYZ color 55.1549, 80.7955, 45.4890.



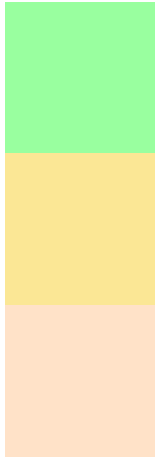
This preview shows how white text looks on a background with the XYZ color 55.1549, 80.7955,

45.4890.

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

55.1549, 80.7955, 45.4890

Protanopia

73.7844, 79.8310, 39.9538

Deuteranopia

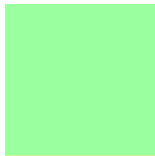
78.8617, 79.8228, 65.8945



Tritanopia

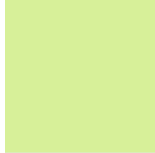
70.1964, 80.3590, 106.4188

Trichromacy



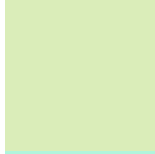
Original Color

55.1549, 80.7955, 45.4890



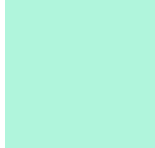
Protanomaly

64.9342, 79.0672, 41.9761



Deuteranomaly

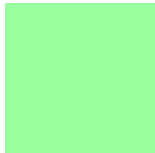
67.9546, 78.9766, 57.5614



Tritanomaly

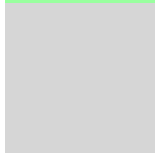
63.4752, 79.7022, 79.7487

Monochromacy



Original Color

55.1549, 80.7955, 45.4890



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.4951, 71.1401, 61.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1549, 80.7955, 45.4890 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 55.1549, 80.7955, 45.4890 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, 159) }
```


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

```
.border{ border-color:rgb(153, 255, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1549, 80.7955, 45.4890 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, 159) }
```

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

```
.background{ background-color: rgb(153,  
255, 159) }
```

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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