

Converting Colors

XYZ(55.3512, 80.9307, 43.9658)

Have a look what the booklet for
XYZ(55.3512, 80.9307, 43.9658)
contains.

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Color

**XYZ(55.4711, 80.9882,
44.1611)**

Conversions

Conversions Part 1

Format	Color
Hex	9CFF9C
RGB	156, 255, 156
RGB Percent	61%, 100%, 61%
CMY	0.3882, 0.0000, 0.3882
CMYK	0.39, 0.00, 0.39, 0.00
HSL	120°, 100%, 81%
HSV	120°, 39%, 100%
XYZ	55.4711, 80.9882, 44.1611
YIQ	214.1130, -27.2250, -51.7770

Conversions

Conversions Part 2

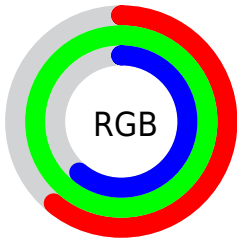
Format	Color
RYB	156, 255, 255
Decimal	10289052
CIELab	92.13, -48.22, 38.38
CIElCh	92, 61.630, 141.481
Yxy	80.9882, 0.3071, 0.4484
Android (android.graphics.Color)	4288479132 (0xFF9CFF9C)
YUV	214.1130, -28.6497, -50.9651
Hunter-Lab	89.9934, -47.4628, 33.9009

Details

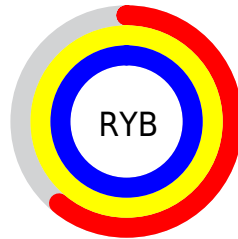
The XYZ color **55.4711, 80.9882, 44.1611** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71.1785, 52.2574, 100.9419**, and the grayscale version is **64.1924, 67.5354, 73.5460**.

A 20% lighter version of the original color is **75.2494, 90.5193, 75.1339**, and **27.7879, 44.0201, 19.8641** is the 20% darker color. If you saturate the color by 10%, you get **49.1062, 77.9308, 33.7505**, and if you desaturate by 10%, it is **63.3260, 84.7614, 57.0098**.

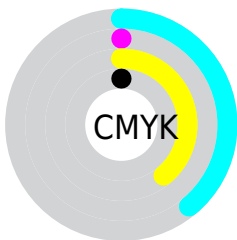
Distribution



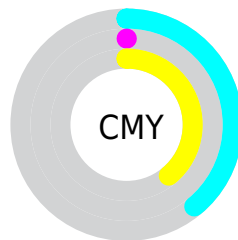
- Red (61%)
- Green (100%)
- Blue (61%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4711, 80.9882, 44.1611 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 55.4711, 80.9882, 44.1611 by changing the saturation by 10% instead.


 55.4711, 80.9882,
44.1611


 55.4711, 80.9882,
44.1611

397.8027,
498.2569, 379.4259

 40.0144, 60.5319,
30.4591


 97.3752, 134.7542,
82.7652

 27.7340, 43.8475,
19.9323


 124.5532,
168.8327, 108.5043

 18.2647, 30.5506,
12.1622


156.3690,
208.2206, 139.0928

 11.2410, 20.2569,
6.7304

193.1880,
253.3025, 174.9493

 6.2977, 12.5819,
3.2182

235.3755,
304.4627, 216.4923

 3.0693, 7.1413,
1.2071

283.2969,

 1.1905, 3.5506,

362.0856, 264.1404

0.0000

337.3175,
426.5555, 318.3121

0.0989, 1.4255,
0.0000

0.0000, 0.2354,
0.0000

55.4711, 80.9882,
44.1611

55.4711, 80.9882,
44.1611

49.1062, 77.9308,
33.7505

63.3260, 84.7614,
57.0098

44.1358, 75.5433,
25.6206

72.7553, 89.2907,
72.4330

40.4560, 73.7757,
19.6015

83.8386, 94.6146,
90.5618

37.9473, 72.5707,
15.4980

95.0500, 100.0000,
108.9000

■ 36.4684, 71.8603,
13.0789

■ 35.8140, 71.5460,
12.0084

■ 35.7600, 71.5200,
11.9201

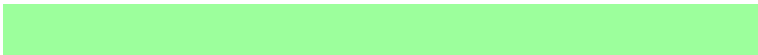
Harmonies

Analogous

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



66.3270, 80.9882, 29.2689



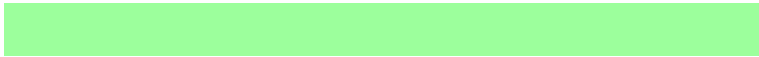
55.4711, 80.9882, 44.1611



50.5539, 80.9882, 75.8514

Triad

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



55.4711, 80.9882, 44.1611



72.5414, 80.9882, 206.0330



109.0328, 80.9882, 59.8767

Complementary

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



55.4711, 80.9882, 44.1611



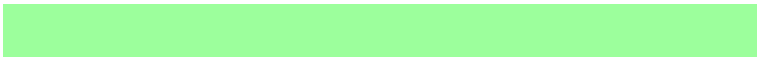
71.1785, 52.2574, 100.9419

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.



111.2988, 80.9882, 101.7821



55.4711, 80.9882, 44.1611



88.7098, 80.9882, 197.1655

Square

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



55.4711, 80.9882, 44.1611



59.4824, 80.9882, 175.8333



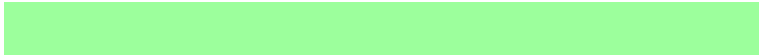
103.4265, 80.9882, 154.6302



97.6036, 80.9882, 35.9289

Rectangle

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



55.4711, 80.9882, 44.1611



50.7613, 80.9882, 106.7611



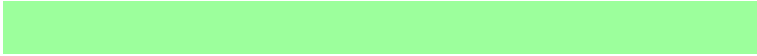
103.4265, 80.9882, 154.6302



110.9486, 80.9882, 71.8947

Sweetspot

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



55.4716, 80.9885, 44.1624



80.1335, 92.8349, 84.5015



83.0009, 95.1804, 45.4502



16.8365, 19.7190, 17.5710



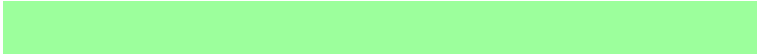
0.0000, 0.0000, 0.0000



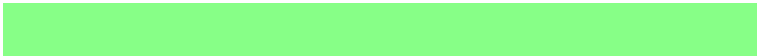
20.3446, 21.4041, 23.3091

Same Dimension

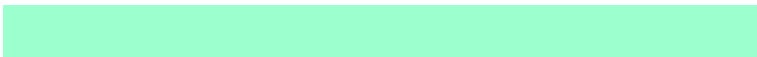
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.4716, 80.9885, 44.1624



50.1597, 78.4369, 35.4738



60.5506, 83.0201, 70.9082



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



71.1785, 52.2574, 100.9419



67.9747, 45.8497, 99.8737



64.2087, 49.4694, 64.2394



18.7928, 18.3004, 22.7917



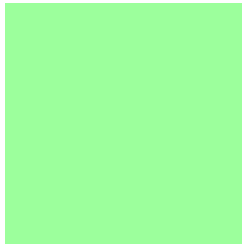
30.9800, 14.8813, 50.6728



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 55.4711, 80.9882, 44.1611 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 55.4711, 80.9882, 44.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

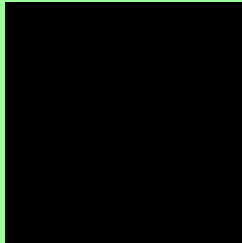
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4711, 80.9882, 44.1611

Background



This preview shows how black text looks on a background with the XYZ color 55.4711, 80.9882, 44.1611.

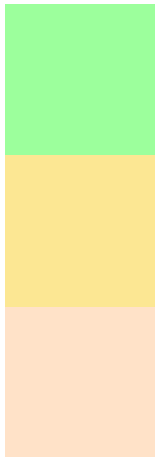


This preview shows how white text looks on a background with the XYZ color 55.4711, 80.9882,

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

55.4711, 80.9882, 44.1611

Protanopia

73.9873, 79.9539, 39.1369

Deuteranopia

78.8617, 79.8228, 65.8945



Tritanopia

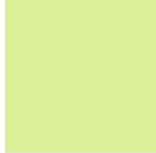
70.6959, 80.6165, 106.4422

Trichromacy



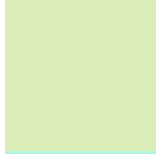
Original Color

55.4711, 80.9882, 44.1611



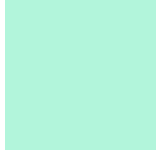
Protanomaly

65.2804, 79.2739, 40.7149



Deuteranomaly

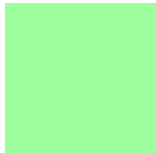
68.1493, 79.0891, 57.0213



Tritanomaly

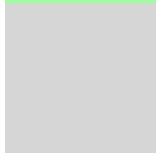
63.7987, 79.8843, 79.0745

Monochromacy



Original Color

55.4711, 80.9882, 44.1611



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.6373, 71.2263, 61.0569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4711, 80.9882, 44.1611 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 156)  
}
```

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, 156) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 55.4711, 80.9882, 44.1611 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, 156) }
```


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

```
.border{ border-color:rgb(156, 255, 156) }
```

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, 156)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 55.4711, 80.9882, 44.1611 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, 156) }
```

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

```
.background{ background-color: rgb(156,  
255, 156) }
```

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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