

Converting Colors

XYZ(55.2731, 80.7044, 42.6203)

Have a look what the booklet for
XYZ(55.2731, 80.7044, 42.6203)
contains.

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Color

**XYZ(55.4144, 80.9880,
42.8486)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFF99
RGB	157, 255, 153
RGB Percent	62%, 100%, 60%
CMY	0.3843, 0.0000, 0.4000
CMYK	0.38, 0.00, 0.40, 0.00
HSL	118°, 100%, 80%
HSV	118°, 40%, 100%
XYZ	55.4144, 80.9880, 42.8486
YIQ	214.0700, -25.6660, -52.4980

Conversions

Conversions Part 2

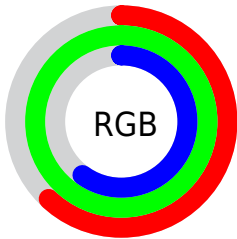
Format	Color
RYB	153, 255, 251
Decimal	10354585
CIELab	92.13, -48.36, 39.86
CIELCh	92, 62.673, 140.503
Yxy	80.9880, 0.3091, 0.4518
Android (android.graphics.Color)	4288544665 (0xFF9DFF99)
YUV	214.0700, -30.1075, -50.0504
Hunter-Lab	89.9933, -47.5750, 34.7655

Details

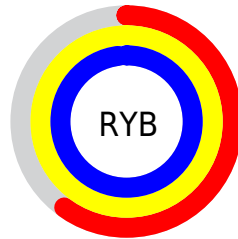
The XYZ color **55.4144, 80.9880, 42.8486** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.2260, 50.5130, 100.7091**, and the grayscale version is **64.1721, 67.5140, 73.5228**.

A 20% lighter version of the original color is **75.1695, 90.5211, 73.1850**, and **27.7499, 44.0176, 19.0903** is the 20% darker color. If you saturate the color by 10%, you get **49.2178, 78.0114, 32.7146**, and if you desaturate by 10%, it is **63.0203, 84.6391, 55.4002**.

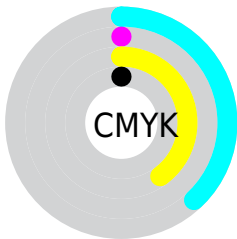
Distribution



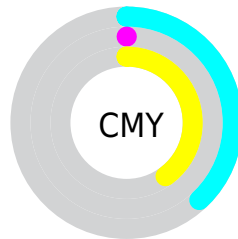
- Red (62%)
- Green (100%)
- Blue (60%)



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



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




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

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4144, 80.9880, 42.8486 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 55.4144, 80.9880, 42.8486 by changing the saturation by 10% instead.


 55.4144, 80.9880,
42.8486


 55.4144, 80.9880,
42.8486


397.5918,
498.2563, 373.8917

 39.9688, 60.5317,
29.4358


 97.2926, 134.7539,
80.7662

 27.6983, 43.8474,
19.1624


 124.4559,
168.8323, 106.1082

 18.2376, 30.5505,
11.6096


156.2558,
208.2203, 136.2636

 11.2215, 20.2568,
6.3592

193.0577,
253.3021, 171.6510

 6.2844, 12.5819,
2.9924

235.2269,
304.4622, 212.6890

 3.0611, 7.1413,
1.0907

283.1287,

 1.1861, 3.5506,

362.0850, 259.7961

0.0000

337.1285,
426.5549, 313.3908

0.0954, 1.4255,
0.0000

0.0000, 0.2354,
0.0000

55.4144, 80.9880,
42.8486

55.4144, 80.9880,
42.8486

49.2178, 78.0114,
32.7146

63.0203, 84.6391,
55.4002

44.3428, 75.6675,
24.8393

72.1136, 89.0019,
70.5068

40.6936, 73.9106,
19.0509

82.7678, 94.1115,
88.3004

38.1612, 72.6888,
15.1514

95.0500, 100.0000,
108.9000

■ 36.6172, 71.9410,
12.9045

■ 35.8852, 71.5845,
11.9259

■ 35.8851, 71.5845,
11.9259

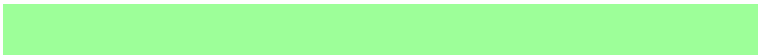
Harmonies

Analogous

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



66.6043, 80.9880, 28.3575



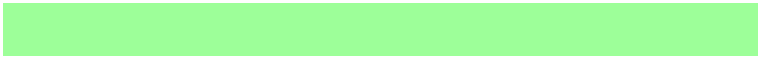
55.4144, 80.9880, 42.8486



50.2311, 80.9880, 74.3065

Triad

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



55.4144, 80.9880, 42.8486



71.9656, 80.9880, 208.1981



109.8808, 80.9880, 60.5562

Complementary

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



55.4144, 80.9880, 42.8486



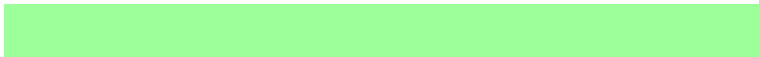
69.2260, 50.5130, 100.7091

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.



111.8466, 80.9880, 103.6858



55.4144, 80.9880, 42.8486



88.3736, 80.9880, 200.4684

Square

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



55.4144, 80.9880, 42.8486



58.8663, 80.9880, 176.1524



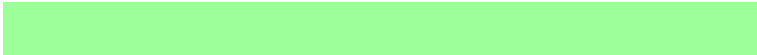
103.5120, 80.9880, 157.7067



98.4657, 80.9880, 35.8182

Rectangle

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



55.4144, 80.9880, 42.8486



50.3023, 80.9880, 105.4072



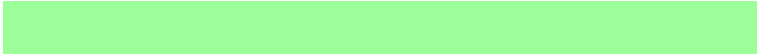
103.5120, 80.9880, 157.7067



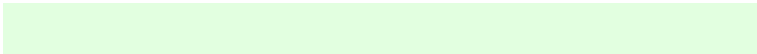
111.7253, 80.9880, 72.9440

Sweetspot

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



55.4148, 80.9882, 42.8499



80.5074, 93.0276, 84.5187



81.1446, 91.8692, 43.5940



16.9236, 19.7639, 17.5750



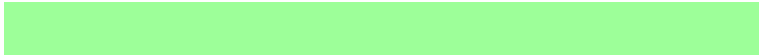
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

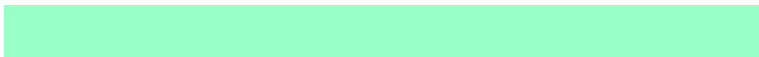
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.4148, 80.9882, 42.8499



50.3479, 78.5545, 34.5546



59.1948, 82.4115, 66.7601



17.8374, 20.2021, 19.1036



18.7792, 37.4191, 6.2328



1.8506, 3.6548, 0.6079

Inverse Universe

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



69.2260, 50.5130, 100.7091



65.8797, 44.2471, 99.6760



64.1529, 48.6519, 66.3969



18.7181, 18.2619, 22.7883



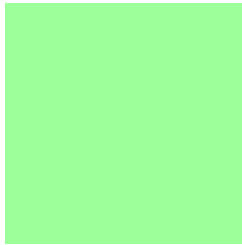
29.1396, 13.9325, 50.5880



2.8583, 1.3674, 4.9266

Previews

White Background



This preview shows how the XYZ color 55.4144, 80.9880, 42.8486 looks on a white background.

Color Contrast Check

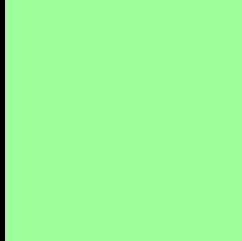
Large Text (above 18pt) WCAG AA × Fail

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 55.4144, 80.9880, 42.8486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

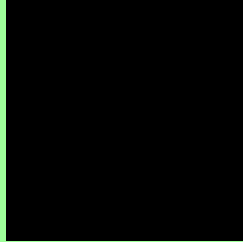
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4144, 80.9880, 42.8486

Background



This preview shows how black text looks on a background with the XYZ color 55.4144, 80.9880, 42.8486.

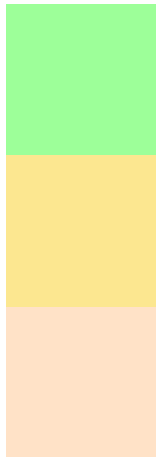


This preview shows how white text looks on a background with the XYZ color 55.4144, 80.9880,

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

55.4144, 80.9880, 42.8486

Protanopia

73.7548, 79.8609, 37.9130

Deuteranopia

78.7452, 79.7762, 65.2809



Tritanopia

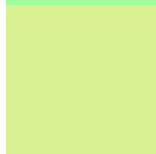
70.9483, 80.7466, 106.4540

Trichromacy



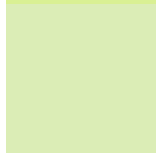
Original Color

55.4144, 80.9880, 42.8486



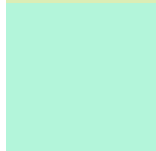
Protanomaly

65.0418, 79.1785, 39.4587



Deuteranomaly

67.9411, 79.0058, 55.9247



Tritanomaly

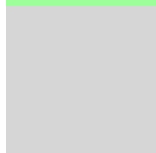
63.8977, 79.9505, 78.3939

Monochromacy



Original Color

55.4144, 80.9880, 42.8486



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.5261, 71.1819, 60.4713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4144, 80.9880, 42.8486 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(157, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 153)  
}
```

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(157, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 55.4144, 80.9880, 42.8486 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(157, 255, 153) }
```


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

```
.border{ border-color:rgb(157, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4144, 80.9880, 42.8486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 153) }
```

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

```
.background{ background-color: rgb(157,  
255, 153) }
```

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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