

Converting Colors

XYZ(64.2369, 100.0000,
41.6715)

Have a look what the booklet for
XYZ(64.2369, 100.0000, 41.6715)
contains.

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Color

**XYZ(54.5471, 80.6411,
38.2815)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFF8E
RGB	157, 255, 142
RGB Percent	62%, 100%, 56%
CMY	0.3843, 0.0000, 0.4431
CMYK	0.38, 0.00, 0.44, 0.00
HSL	112°, 100%, 78%
HSV	112°, 44%, 100%
XYZ	54.5471, 80.6411, 38.2815
YIQ	212.8160, -22.1350, -55.9190

Conversions

Conversions Part 2

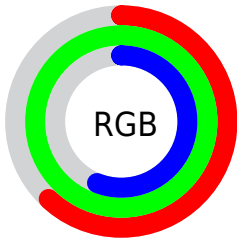
Format	Color
R_{YB}	142, 255, 240
Decimal	10354574
CIE _{Lab}	91.97, -49.89, 45.00
CIE _{LCh}	92, 67.183, 137.948
Yxy	80.6411, 0.3144, 0.4649
Android (android.graphics.Color)	4288544654 (0xFF9DFF8E)
YUV	212.8160, -34.9123, -48.9506
Hunter-Lab	89.8004, -48.7251, 37.5852

Details

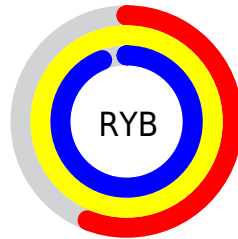
The XYZ color **54.5471, 80.6411, 38.2815** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.6594, 45.0926, 99.9563**, and the grayscale version is **63.3591, 66.6587, 72.5914**.

A 20% lighter version of the original color is **73.8624, 89.9983, 66.3018**, and **27.2528, 43.8188, 16.4727** is the 20% darker color. If you saturate the color by 10%, you get **48.9149, 77.9341, 29.1415**, and if you desaturate by 10%, it is **61.3989, 83.9262, 49.7668**.

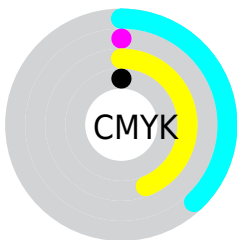
Distribution



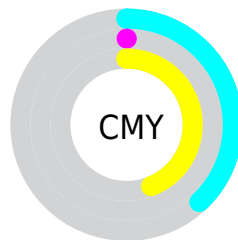
- Red (62%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (94%)



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



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.5471, 80.6411, 38.2815 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 54.5471, 80.6411, 38.2815 by changing the saturation by 10% instead.


 54.5471, 80.6411,
38.2815


 54.5471, 80.6411,
38.2815


394.3572,
497.0908, 354.1603

 39.2716, 60.2461,
25.8977


 96.0293, 134.2667,
73.7476

 27.1528, 43.6170,
16.5221


 122.9667,
168.2661, 97.6670

 17.8252, 30.3695,
9.7360

154.5221,
207.5690, 126.2687

 10.9235, 20.1192,
5.1210

191.0610,
252.5599, 159.9712

 6.0823, 12.4817,
2.2584

232.9485,
303.6231, 199.1931

 2.9363, 7.0727,
0.7078

280.5502,

 1.1202, 3.5076,

361.1430, 244.3529

0.0000

334.2313,
425.5041, 295.8691

0.0419, 1.4021,
0.0000

0.0000, 0.2183,
0.0000

54.5471, 80.6411,
38.2815

54.5471, 80.6411,
38.2815

48.9149, 77.9341,
29.1415

61.3989, 83.9262,
49.7668

44.4289, 75.7708,
22.1818

69.5357, 87.8200,
63.7399

41.0091, 74.1141,
17.2218

79.0193, 92.3515,
80.3362

38.5647, 72.9216,
14.0505

89.9074, 97.5476,
99.6803

■ 36.9886, 72.1438,
12.4092

95.0500, 100.0000,
108.9000

■ 36.4146, 71.8575,
11.9506

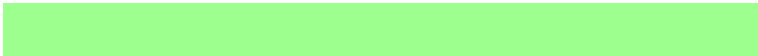
Harmonies

Analogous

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



66.8666, 80.6411, 24.8631



54.5471, 80.6411, 38.2815



48.5521, 80.6411, 69.4129

Triad

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



54.5471, 80.6411, 38.2815



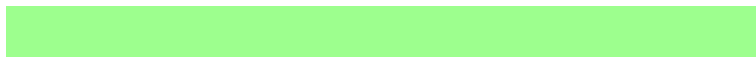
69.9228, 80.6411, 217.4456



112.7606, 80.6411, 61.6475

Complementary

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



54.5471, 80.6411, 38.2815



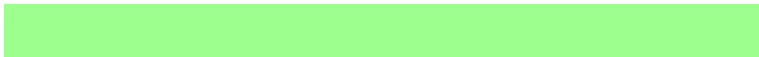
63.6594, 45.0926, 99.9563

Split Complementary

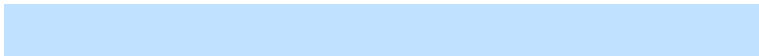
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.9074, 80.6411, 109.1876



54.5471, 80.6411, 38.2815



87.3373, 80.6411, 212.8464

Square

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



54.5471, 80.6411, 38.2815



56.4940, 80.6411, 178.9984



104.0307, 80.6411, 168.1115



101.0994, 80.6411, 34.4424

Rectangle

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



54.5471, 80.6411, 38.2815



48.2483, 80.6411, 101.6157



104.0307, 80.6411, 168.1115



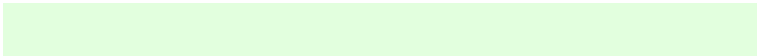
114.4459, 80.6411, 75.3050

Sweetspot

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



54.5475, 80.6413, 38.2827



80.3672, 92.9951, 82.7159



77.2633, 85.4943, 38.0222



16.7197, 19.6745, 16.8539



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

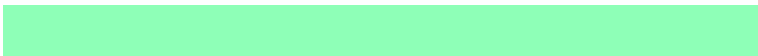
The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.5475, 80.6413, 38.2827



49.5872, 78.2576, 30.2133



55.5085, 80.7081, 57.6903



17.9956, 20.2837, 19.1110



19.0958, 37.5823, 6.2477



1.9252, 3.6933, 0.6114

Inverse Universe

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



63.6594, 45.0926, 99.9563



59.6942, 38.6321, 98.9183



62.9959, 45.4399, 68.7798



18.5416, 18.1709, 22.7800



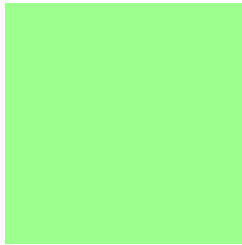
25.1293, 11.8651, 50.4003



2.5097, 1.1877, 4.9102

Previews

White Background



This preview shows how the XYZ color 54.5471, 80.6411, 38.2815 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 54.5471, 80.6411, 38.2815 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

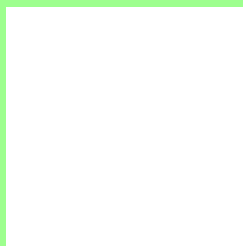
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.5471, 80.6411, 38.2815

Background



This preview shows how black text looks on a background with the XYZ color 54.5471, 80.6411, 38.2815.

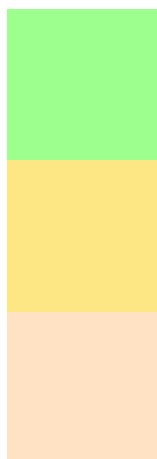


This preview shows how white text looks on a background with the XYZ color 54.5471, 80.6411,

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

54.5471, 80.6411, 38.2815

Protanopia

73.3176, 79.7279, 33.7151

Deuteranopia

78.4002, 79.6382, 63.4641



Tritanopia

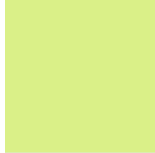
70.4024, 80.0294, 106.3444

Trichromacy



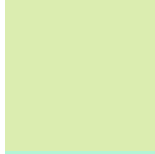
Original Color

54.5471, 80.6411, 38.2815



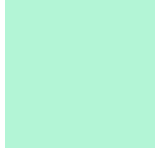
Protanomaly

64.5175, 79.0032, 35.1413



Deuteranomaly

67.3341, 78.7630, 52.7282



Tritanomaly

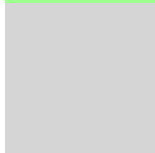
63.3804, 79.7436, 75.6699

Monochromacy



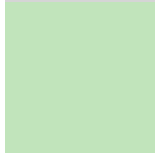
Original Color

54.5471, 80.6411, 38.2815



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 54.5471, 80.6411, 38.2815 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 54.5471, 80.6411, 38.2815 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, 142) }
```


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

```
.border{ border-color:rgb(157, 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(157, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 54.5471, 80.6411, 38.2815 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, 142) }
```

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

```
.background{ background-color: rgb(157,  
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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