

Converting Colors

XYZ(56.0048, 80.9740, 57.2612)

Have a look what the booklet for
XYZ(56.0048, 80.9740, 57.2612)
contains.

XYZ(55.9843, 80.9586, 57.4756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.9843, 80.9586,
57.4756)**

Conversions

Conversions Part 1

Format	Color
Hex	91FFB7
RGB	145, 255, 183
RGB Percent	57%, 100%, 72%
CMY	0.4314, 0.0000, 0.2823
CMYK	0.43, 0.00, 0.28, 0.00
HSL	141°, 100%, 78%
HSV	141°, 43%, 100%
XYZ	55.9843, 80.9586, 57.4756
YIQ	213.9020, -42.4480, -45.7120

Conversions

Conversions Part 2

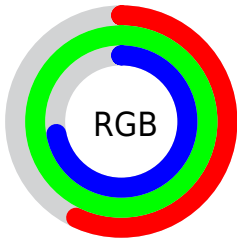
Format	Color
RYB	145, 227, 255
Decimal	9568183
CIELab	92.11, -46.88, 24.77
CIELCh	92, 53.018, 152.152
Yxy	80.9586, 0.2880, 0.4164
Android (android.graphics.Color)	4287758263 (0xFF91FFB7)
YUV	213.9020, -15.2347, -60.4271
Hunter-Lab	89.9770, -46.3958, 25.1106

Details

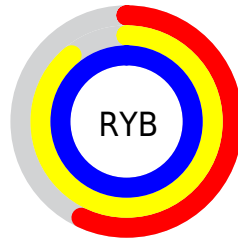
The XYZ color **55.9843, 80.9586, 57.4756** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.8901, 46.5212, 71.2577**, and the grayscale version is **63.9702, 67.3016, 73.2914**.

A 20% lighter version of the original color is **75.9686, 90.4485, 95.1157**, and **28.1538, 44.0261, 28.1331** is the 20% darker color. If you saturate the color by 10%, you get **50.3484, 78.2422, 48.6751**, and if you desaturate by 10%, it is **62.8358, 84.2779, 67.4111**.

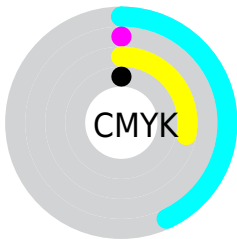
Distribution



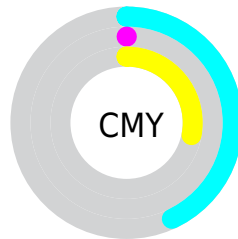
- Red (57%)
- Green (100%)
- Blue (72%)



- Red (57%)
- Yellow (89%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9843, 80.9586, 57.4756 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 55.9843, 80.9586, 57.4756 by changing the saturation by 10% instead.

 55.9843, 80.9586,
57.4756


 55.9843, 80.9586,
57.4756


399.7083,
498.1575, 432.7726

 40.4273, 60.5075,
40.9753

 98.1216, 134.7126,
102.6660

 28.0575, 43.8278,
27.9802


 125.4325,
168.7844, 132.1933

 18.5097, 30.5352,
18.0718


157.3922,
208.1651, 166.8999

 11.4185, 20.2452,
10.8316

194.3659,
253.2392, 207.2044

 6.4184, 12.5734,
5.8410

236.7190,
304.3911, 253.5254

 3.1442, 7.1354,
2.6814

284.8169,

 1.2305, 3.5469,

362.0052, 306.2814

0.9340

339.0249,
426.4659, 365.8910

■ 0.1302, 1.4235,
0.0000

■ 0.0000, 0.2340,
0.0000

■ 55.9843, 80.9586,
57.4756

■ 55.9843, 80.9586,
57.4756

■ 50.3484, 78.2422,
48.6751

■ 62.8358, 84.2779,
67.4111

■ 45.8509, 76.0896,
40.9645

■ 70.9699, 88.2338,
78.5165

■ 42.4079, 74.4586,
34.3018

■ 80.4506, 92.8586,
90.8299

■ 39.9227, 73.3002,
28.6403

■ 91.3371, 98.1820,
104.3866

■ 38.2787, 72.5552, 95.0500, 100.0000,
23.9295 108.9000

■ 37.5253, 72.2261,
21.2160

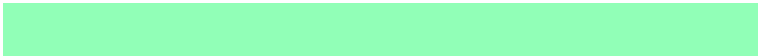
Harmonies

Analogous

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



63.8012, 80.9586, 38.5724



55.9843, 80.9586, 57.4756



53.5743, 80.9586, 91.0049

Triad

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



55.9843, 80.9586, 57.4756



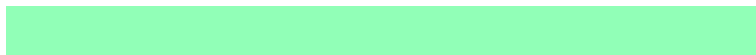
77.9391, 80.9586, 186.7024



101.3953, 80.9586, 53.8751

Complementary

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



55.9843, 80.9586, 57.4756



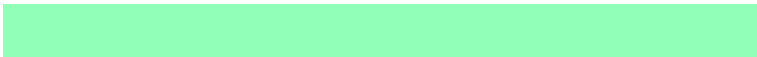
63.8901, 46.5212, 71.2577

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.



106.2909, 80.9586, 85.3558



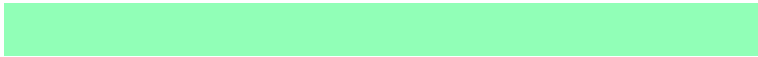
55.9843, 80.9586, 57.4756



91.7887, 80.9586, 168.3983

Square

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



55.9843, 80.9586, 57.4756



65.3207, 80.9586, 172.7844



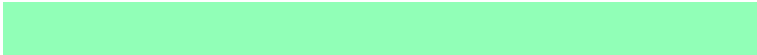
102.5852, 80.9586, 128.1614



89.8808, 80.9586, 36.9672

Rectangle

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



55.9843, 80.9586, 57.4756



55.0968, 80.9586, 119.6625



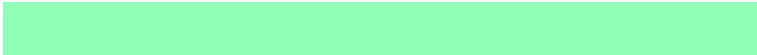
102.5852, 80.9586, 128.1614



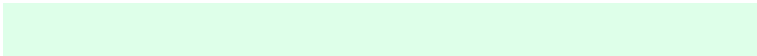
103.9271, 80.9586, 62.7213

Sweetspot

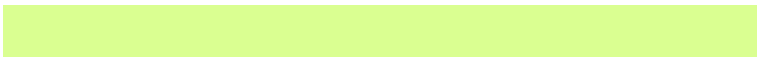
The Sweet Spot groups the original color and five complimentary colors.



55.9849, 80.9589, 57.4769



80.5895, 92.9264, 91.0063



69.8845, 88.5214, 40.1920



16.7752, 19.6585, 18.8739



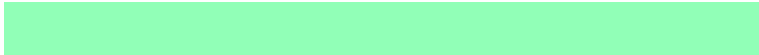
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



55.9849, 80.9589, 57.4769



50.9301, 78.5218, 49.6195



62.6749, 83.6349, 92.7058



18.0306, 20.2718, 20.4640



19.6708, 37.7649, 11.4176



1.9644, 3.6967, 1.3702

Inverse Universe

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



63.8901, 46.5212, 71.2577



59.7811, 39.8905, 64.9949



58.0067, 44.1679, 40.2760



18.5104, 18.1875, 21.3051



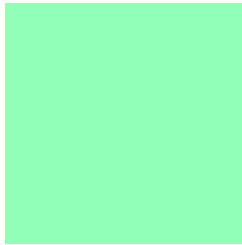
25.2620, 12.5941, 20.5619



2.5112, 1.2468, 2.2732

Previews

White Background



This preview shows how the XYZ color 55.9843, 80.9586, 57.4756 looks on a white background.

Color Contrast Check

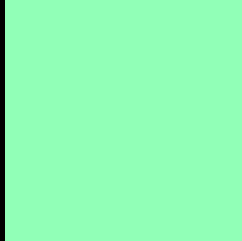
Large Text (above 18pt) WCAG AA × Fail

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 55.9843, 80.9586, 57.4756 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 55.9843, 80.9586, 57.4756

Background



This preview shows how black text looks on a background with the XYZ color 55.9843, 80.9586, 57.4756.

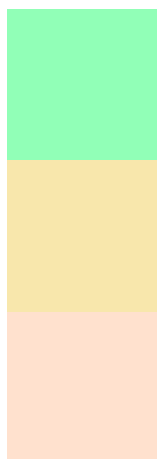


This preview shows how white text looks on a background with the XYZ color 55.9843, 80.9586,

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

55.9843, 80.9586, 57.4756

Protanopia

74.7337, 80.0868, 50.5491

Deuteranopia

79.3058, 79.5667, 69.5706



Tritanopia

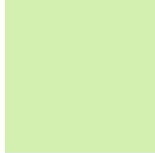
69.9988, 80.6954, 106.4942

Trichromacy



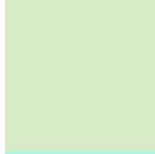
Original Color

55.9843, 80.9586, 57.4756



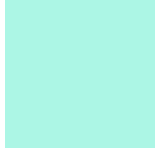
Protanomaly

65.8605, 79.3036, 52.9102



Deuteranomaly

68.2128, 78.5152, 64.9858



Tritanomaly

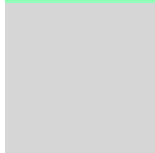
64.1119, 80.3393, 86.2567

Monochromacy



Original Color

55.9843, 80.9586, 57.4756



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.7851, 71.1692, 67.0859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9843, 80.9586, 57.4756 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(145, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 183)  
}
```

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(145, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 55.9843, 80.9586, 57.4756 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(145, 255, 183) }
```


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

```
.border{ border-color:rgb(145, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9843, 80.9586, 57.4756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 183) }
```

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

```
.background{ background-color: rgb(145,  
255, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor