

Converting Colors

XYZ(56.1002, 80.5506, 59.0896)

Have a look what the booklet for
XYZ(56.1002, 80.5506, 59.0896)
contains.

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Color

**XYZ(55.9818, 80.4485,
59.0319)**

Conversions

Conversions Part 1

Format	Color
Hex	91FEBA
RGB	145, 254, 186
RGB Percent	57%, 100%, 73%
CMY	0.4314, 0.0039, 0.2706
CMYK	0.43, 0.00, 0.27, 0.00
HSL	143°, 98%, 78%
HSV	143°, 43%, 100%
XYZ	55.9818, 80.4485, 59.0319
YIQ	213.6570, -43.1360, -44.2560

Conversions

Conversions Part 2

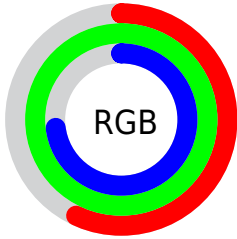
Format	Color
RYB	145, 224, 254
Decimal	9567930
CIELab	91.89, -45.90, 22.93
CIElCh	92, 51.311, 153.459
Yxy	80.4485, 0.2864, 0.4116
Android (android.graphics.Color)	4287758010 (0xFF91FEBA)
YUV	213.6570, -13.6349, -60.2122
Hunter-Lab	89.6931, -45.5524, 23.7632

Details

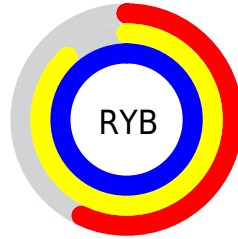
The XYZ color **55.9818, 80.4485, 59.0319** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.0114, 46.1276, 68.5364**, and the grayscale version is **63.7972, 67.1196, 73.0933**.

A 20% lighter version of the original color is **76.4156, 90.6273, 97.4697**, and **28.1304, 43.6522, 29.1334** is the 20% darker color. If you saturate the color by 10%, you get **50.4044, 77.7594, 50.4600**, and if you desaturate by 10%, it is **62.7508, 83.7347, 68.6383**.

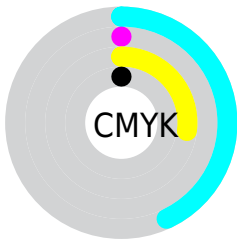
Distribution



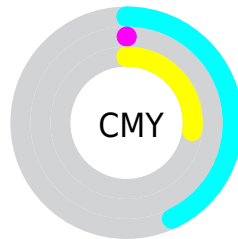
- Red (57%)
- Green (100%)
- Blue (73%)



- Red (57%)
- Yellow (88%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (43%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9818, 80.4485, 59.0319 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 55.9818, 80.4485, 59.0319 by changing the saturation by 10% instead.


 55.9818, 80.4485,
59.0319


 55.9818, 80.4485,
59.0319


399.6990,
496.4430, 438.7253

 40.4253, 60.0875,
42.2186


 98.1179, 133.9961,
104.9536

 28.0560, 43.4892,
28.9457


 125.4282,
167.9515, 134.8991

 18.5085, 30.2691,
18.7945

157.3872,
207.2072, 170.0591

 11.4176, 20.0429,
11.3466

194.3602,
252.1475, 210.8521

 6.4178, 12.4263,
6.1834

236.7125,
303.1568, 257.6967

 3.1438, 7.0347,
2.8863

284.8095,

 1.2303, 3.4838,

360.6196, 311.0114

1.0369

339.0166,
424.9202, 371.2148

■ 0.1301, 1.3892,
0.0000

■ 0.0000, 0.2088,
0.0000

■ 55.9818, 80.4485,
59.0319

■ 55.9818, 80.4485,
59.0319

■ 50.4044, 77.7594,
50.4600

■ 62.7508, 83.7347,
68.6383

■ 45.9386, 75.6204,
42.8821

■ 70.7721, 87.6420,
79.3071

■ 42.5045, 73.9929,
36.2628

■ 80.1096, 92.2049,
91.0720

■ 40.0076, 72.8294,
30.5622

■ 90.8211, 97.4526,
103.9635

■ 38.3345, 72.0719,
25.7375

94.7333, 99.3666,
108.7944

■ 37.5335, 71.7227,
22.8214

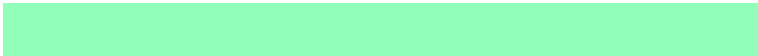
Harmonies

Analogous

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



63.3406, 80.4485, 39.9683



55.9818, 80.4485, 59.0319



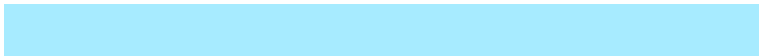
53.8793, 80.4485, 92.0411

Triad

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



55.9818, 80.4485, 59.0319



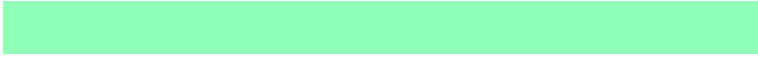
78.0011, 80.4485, 181.7045



99.5842, 80.4485, 53.3989

Complementary

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



55.9818, 80.4485, 59.0319



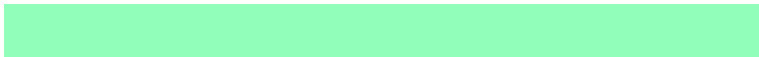
63.0114, 46.1276, 68.5364

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.



104.6139, 80.4485, 83.2939



55.9818, 80.4485, 59.0319



91.2850, 80.4485, 163.0573

Square

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



55.9818, 80.4485, 59.0319



65.7022, 80.4485, 169.7649



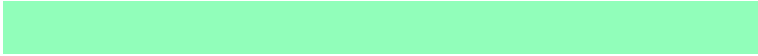
101.4164, 80.4485, 124.1429



88.3409, 80.4485, 37.4320

Rectangle

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



55.9818, 80.4485, 59.0319



55.5156, 80.4485, 119.7368



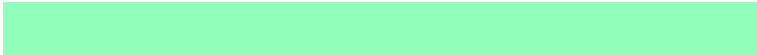
101.4164, 80.4485, 124.1429



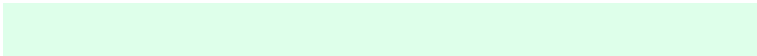
102.1127, 80.4485, 61.7905

Sweetspot

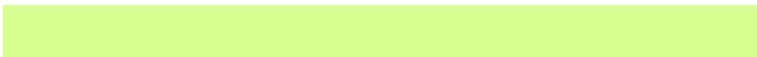
The Sweet Spot groups the original color and five complimentary colors.



55.9839, 80.4518, 59.0337



80.7354, 92.9848, 91.7750



68.2967, 87.2327, 40.0270



16.8110, 19.6728, 19.0625



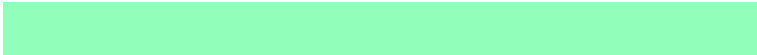
0.0000, 0.0000, 0.0000



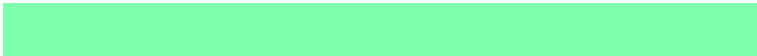
20.3446, 21.4041, 23.3091

Same Dimension

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



55.9839, 80.4518, 59.0337



51.8371, 78.9270, 52.4786



62.7704, 83.1664, 94.7711



18.0542, 20.2812, 20.5882



19.8530, 37.8378, 12.3771



1.9840, 3.7045, 1.4735

Inverse Universe

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



63.0114, 46.1276, 68.5364



59.7180, 40.3749, 63.0912



57.3052, 43.8451, 38.4879



18.4860, 18.1777, 21.1763



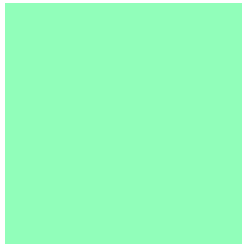
24.8974, 12.4483, 18.6422



2.4773, 1.2333, 2.0946

Previews

White Background



This preview shows how the XYZ color 55.9818, 80.4485, 59.0319 looks on a white background.

Color Contrast Check

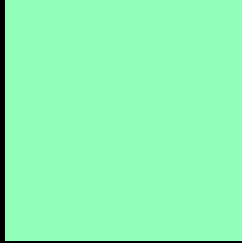
Large Text (above 18pt) WCAG AA × Fail

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 55.9818, 80.4485, 59.0319 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 55.9818, 80.4485, 59.0319

Background



This preview shows how black text looks on a background with the XYZ color 55.9818, 80.4485, 59.0319.

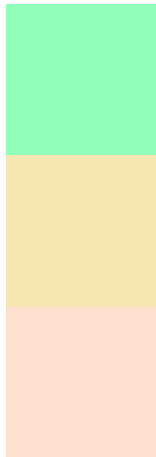


This preview shows how white text looks on a background with the XYZ color 55.9818, 80.4485,

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

55.9818, 80.4485, 59.0319

Protanopia

74.0407, 79.2816, 51.9580

Deuteranopia

79.0362, 79.0275, 69.4807



Tritanopia

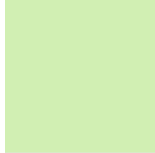
68.9773, 79.7305, 106.3618

Trichromacy



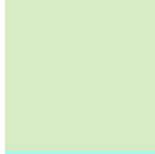
Original Color

55.9818, 80.4485, 59.0319



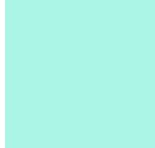
Protanomaly

65.2977, 78.5430, 54.3666



Deuteranomaly

68.0415, 77.9873, 65.4997



Tritanomaly

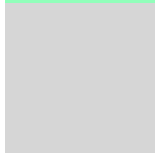
63.5129, 79.5640, 86.8728

Monochromacy



Original Color

55.9818, 80.4485, 59.0319



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.9047, 71.2171, 67.7157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9818, 80.4485, 59.0319 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, 254, 186)` looks like.

```
.text, #text, p{  
    color:rgb(145, 254, 186)  
}
```

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, 254, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 254, 186) }
```

Border

The CSS property to change the border of an element to XYZ 55.9818, 80.4485, 59.0319 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, 254, 186) }
```


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

```
.border{ border-color:rgb(145, 254, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 254, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 254, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 254, 186);  
box-shadow:4px 4px 4px 4px rgb(145, 254,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9818, 80.4485, 59.0319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 254, 186) }
```

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

```
.background{ background-color: rgb(145,  
254, 186) }
```

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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