

Converting Colors

XYZ(59.1747, 81.9975, 55.5718)

Have a look what the booklet for
XYZ(59.1747, 81.9975, 55.5718)
contains.

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Color

**XYZ(59.3044, 82.2453,
55.3971)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FEB3
RGB	166, 254, 179
RGB Percent	65%, 100%, 70%
CMY	0.3490, 0.0039, 0.2980
CMYK	0.35, 0.00, 0.30, 0.00
HSL	129°, 98%, 82%
HSV	129°, 35%, 100%
XYZ	59.3044, 82.2453, 55.3971
YIQ	219.1380, -28.3730, -41.9810

Conversions

Conversions Part 2

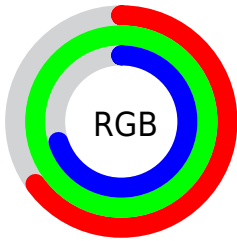
Format	Color
RYB	166, 243, 254
Decimal	10944179
CIELab	92.68, -41.21, 27.72
CIELCh	93, 49.664, 146.070
Yxy	82.2453, 0.3011, 0.4176
Android (android.graphics.Color)	4289134259 (0xFFA6FEB3)
YUV	219.1380, -19.7880, -46.6020
Hunter-Lab	90.6892, -41.9796, 27.2654

Details

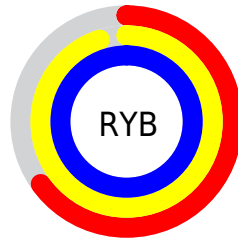
The XYZ color **59.3044, 82.2453, 55.3971** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70.3892, 54.6959, 90.0697**, and the grayscale version is **67.5767, 71.0959, 77.4234**.

A 20% lighter version of the original color is **81.1868, 93.2061, 92.3088**, and **30.2877, 44.8184, 26.7931** is the 20% darker color. If you saturate the color by 10%, you get **52.4763, 78.9611, 44.5324**, and if you desaturate by 10%, it is **67.5321, 86.2160, 68.1251**.

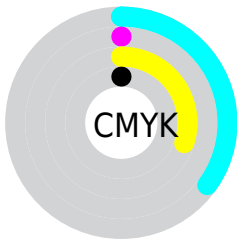
Distribution



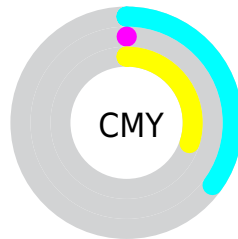
- Red (65%)
- Green (100%)
- Blue (70%)



- Red (65%)
- Yellow (95%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3044, 82.2453, 55.3971 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 59.3044, 82.2453, 55.3971 by changing the saturation by 10% instead.


 59.3044, 82.2453,
55.3971


 59.3044, 82.2453,
55.3971


411.9050,
502.4678, 424.7397

 43.1055, 61.5678,
39.3190


 102.9320,
136.5179, 99.5995

 30.1628, 44.6835,
26.6982


 131.0915,
170.8818, 128.5609

 20.1109, 31.2082,
17.1163


163.9686,
210.5766, 162.6538

 12.5844, 20.7575,
10.1546

201.9286,
255.9867, 202.2967

 7.2180, 12.9468,
5.3946

245.3369,
307.4965, 247.9082

 3.6464, 7.3919,
2.4179

294.5588,

 1.5041, 3.7084,

365.4903, 299.9069

0.7961

349.9597,
430.3526, 358.7112

■ 0.3286, 1.5118,
0.0000

■ 0.0000, 0.2970,
0.0000

■ 59.3044, 82.2453,
55.3971

■ 59.3044, 82.2453,
55.3971

■ 52.4763, 78.9611,
44.5324

■ 67.5321, 86.2160,
68.1251

■ 46.9631, 76.3145,
35.4382

■ 77.2249, 90.8982,
82.7921

■ 42.6810, 74.2667,
28.0224

■ 88.4521, 96.3284,
99.4767

■ 39.5336, 72.7702,
22.1819

94.7334, 99.3668,
108.7945

■ 37.4098, 71.7700,
17.8026

■ 36.1751, 71.1997,
14.7547

■ 35.7856, 71.0237,
13.6166

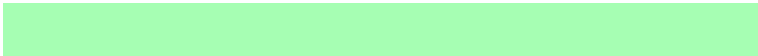
Harmonies

Analogous

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



67.7466, 82.2453, 39.6110



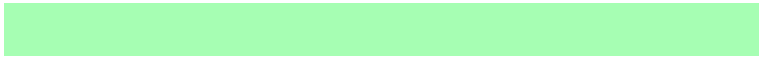
59.3044, 82.2453, 55.3971



55.8990, 82.2453, 84.7597

Triad

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



59.3044, 82.2453, 55.3971



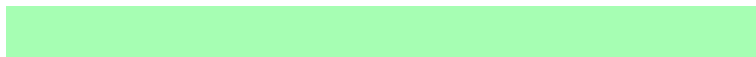
76.4802, 82.2453, 181.0251



102.6983, 82.2453, 61.7624

Complementary

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



59.3044, 82.2453, 55.3971



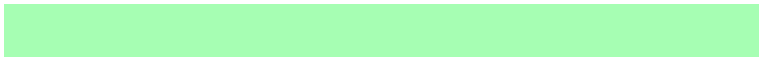
70.3892, 54.6959, 90.0697

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.



105.6911, 82.2453, 94.5199



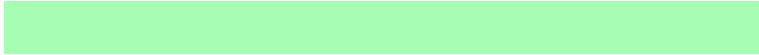
59.3044, 82.2453, 55.3971



89.6149, 82.2453, 169.9446

Square

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



59.3044, 82.2453, 55.3971



65.0993, 82.2453, 162.5743



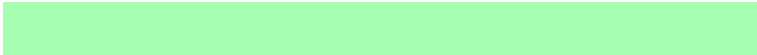
100.6681, 82.2453, 135.4643



92.8864, 82.2453, 42.5118

Rectangle

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



59.3044, 82.2453, 55.3971



56.6323, 82.2453, 110.7429



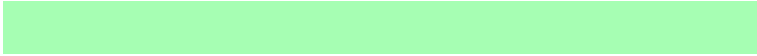
100.6681, 82.2453, 135.4643



104.5786, 82.2453, 71.2515

Sweetspot

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



59.3065, 82.2487, 55.3989



82.9791, 94.1589, 91.0921



79.0376, 92.5653, 49.7783



17.4252, 19.9915, 18.9976



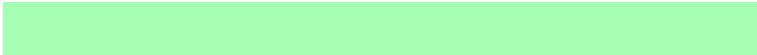
0.0000, 0.0000, 0.0000



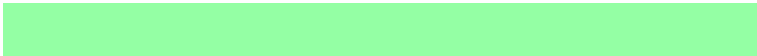
20.3446, 21.4041, 23.3091

Same Dimension

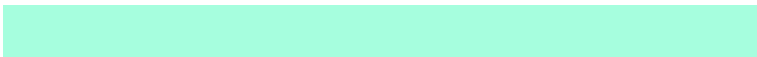
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.3065, 82.2487, 55.3989



54.6304, 80.4769, 47.6448



64.3192, 84.2538, 81.7953



17.8809, 20.2119, 19.6757



18.8980, 37.4558, 7.3483



1.8709, 3.6593, 0.8782

Inverse Universe

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



70.3892, 54.6959, 90.0697



67.4205, 48.6510, 87.6363



64.7355, 52.4344, 60.2981



18.6705, 18.2515, 22.1480



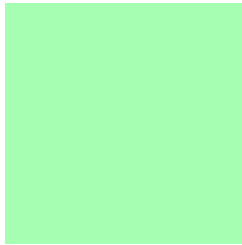
28.1593, 13.7530, 35.8190



2.7718, 1.3511, 3.6458

Previews

White Background



This preview shows how the XYZ color 59.3044, 82.2453, 55.3971 looks on a white background.

Color Contrast Check

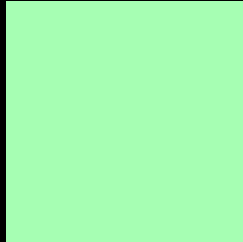
Large Text (above 18pt) WCAG AA × Fail

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 59.3044, 82.2453, 55.3971 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 59.3044, 82.2453, 55.3971

Background



This preview shows how black text looks on a background with the XYZ color 59.3044, 82.2453, 55.3971.



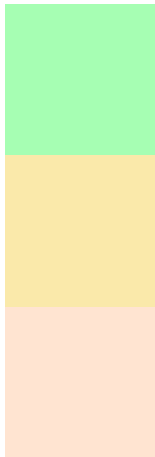
This preview shows how white text looks on a background with the XYZ color 59.3044, 82.2453,

55.3971.

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

59.3044, 82.2453, 55.3971

Protanopia

75.8190, 81.5041, 49.7660

Deuteranopia

80.4920, 81.3503, 71.7814



Tritanopia

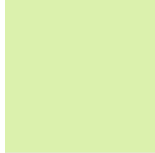
72.4988, 81.5459, 106.5266

Trichromacy



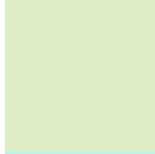
Original Color

59.3044, 82.2453, 55.3971



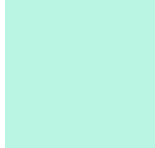
Protanomaly

68.2115, 80.9878, 51.5722



Deuteranomaly

70.9087, 80.3336, 65.1947



Tritanomaly

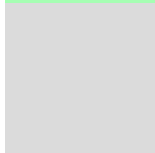
66.7672, 81.2900, 84.8446

Monochromacy



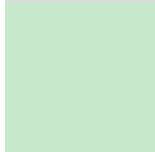
Original Color

59.3044, 82.2453, 55.3971



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.5751, 74.3522, 68.1274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3044, 82.2453, 55.3971 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(166, 254, 179)` looks like.

```
.text, #text, p{  
    color:rgb(166, 254, 179)  
}
```

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(166, 254, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 254, 179) }
```

Border

The CSS property to change the border of an element to XYZ 59.3044, 82.2453, 55.3971 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(166, 254, 179) }
```


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

```
.border{ border-color:rgb(166, 254, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 254, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 254, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 254, 179);  
box-shadow:4px 4px 4px 4px rgb(166, 254,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3044, 82.2453, 55.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 254, 179) }
```

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

```
.background{ background-color: rgb(166,  
254, 179) }
```

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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