

Converting Colors

XYZ(64.2135, 93.8061, 61.7163)

Have a look what the booklet for
XYZ(64.2135, 93.8061, 61.7163)
contains.

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Color

**XYZ(58.4399, 82.1758,
59.7951)**

Conversions

Conversions Part 1

Format	Color
Hex	9CFFBB
RGB	156, 255, 187
RGB Percent	61%, 100%, 73%
CMY	0.3882, 0.0000, 0.2667
CMYK	0.39, 0.00, 0.27, 0.00
HSL	139°, 100%, 81%
HSV	139°, 39%, 100%
XYZ	58.4399, 82.1758, 59.7951
YIQ	217.6470, -37.1760, -42.1360

Conversions

Conversions Part 2

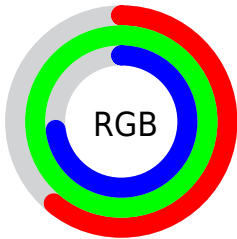
Format	Color
RYB	156, 231, 255
Decimal	10289083
CIELab	92.65, -43.16, 23.55
CIELCh	93, 49.168, 151.382
Yxy	82.1758, 0.2916, 0.4100
Android (android.graphics.Color)	4288479163 (0xFF9CFFBB)
YUV	217.6470, -15.1090, -54.0644
Hunter-Lab	90.6509, -43.5654, 24.3468

Details

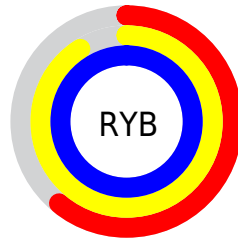
The XYZ color **58.4399, 82.1758, 59.7951** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.5832, 50.4192, 76.7430**, and the grayscale version is **66.5162, 69.9802, 76.2085**.

A 20% lighter version of the original color is **79.6692, 92.2872, 98.4082**, and **29.6833, 44.7909, 29.2713** is the 20% darker color. If you saturate the color by 10%, you get **52.2503, 79.1885, 50.3075**, and if you desaturate by 10%, it is **65.8951, 85.7890, 70.5384**.

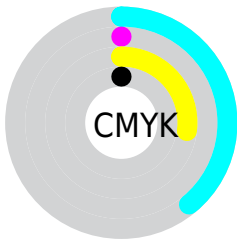
Distribution



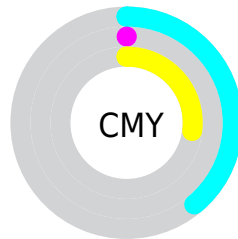
- Red (61%)
- Green (100%)
- Blue (73%)



- Red (61%)
- Yellow (91%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4399, 82.1758, 59.7951 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 58.4399, 82.1758, 59.7951 by changing the saturation by 10% instead.


 58.4399, 82.1758,
59.7951

 58.4399, 82.1758,
59.7951


408.7506,
502.2355, 441.6258

 42.4070, 61.5105,
42.8293

 101.6825,
136.4205, 106.0728

 29.6126, 44.6373,
29.4208


 129.6229,
170.7687, 136.2218

 19.6914, 31.1718,
19.1511


162.2632,
210.4465, 171.6023

 12.2779, 20.7297,
11.6016

199.9687,
255.8385, 212.6328

 7.0067, 12.9266,
6.3538

243.1049,
307.3290, 259.7319

 3.5127, 7.3780,
2.9891

292.0370,

 1.4303, 3.6996,

365.3024, 313.3180

1.0891

347.1305,
430.1431, 373.8098

■ 0.2777, 1.5070,
0.0000

■ 0.0000, 0.2936,
0.0000

■ 58.4399, 82.1758,
59.7951

■ 58.4399, 82.1758,
59.7951

■ 52.2503, 79.1885,
50.3075

■ 65.8951, 85.7890,
70.5384

■ 47.2511, 76.7895,
42.0255

■ 74.6816, 90.0613,
82.5771

■ 43.3614, 74.9379,
34.9011

■ 84.8627, 95.0242,
95.9543

■ 40.4889, 73.5873,
28.8818

95.0500, 100.0000,
108.9000

■ 38.5254, 72.6831,
23.9107

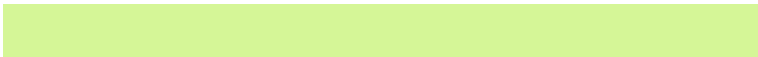
■ 37.3173, 72.1472,
19.9244

■ 37.2025, 72.0970,
19.5161

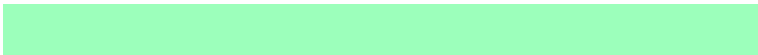
Harmonies

Analogous

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



65.9829, 82.1758, 41.7993



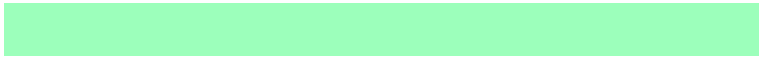
58.4399, 82.1758, 59.7951



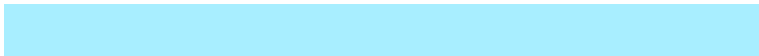
56.0035, 82.1758, 91.1853

Triad

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



58.4399, 82.1758, 59.7951



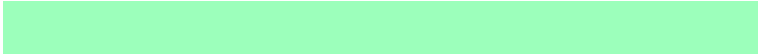
78.7004, 82.1758, 180.0051



101.0457, 82.1758, 57.5737

Complementary

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



58.4399, 82.1758, 59.7951



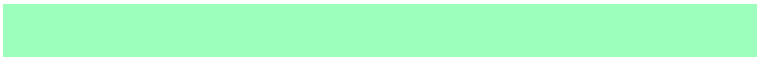
66.5832, 50.4192, 76.7430

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.



105.3701, 82.1758, 87.7871



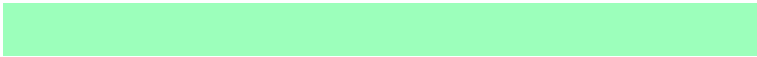
58.4399, 82.1758, 59.7951



91.6290, 82.1758, 164.1060

Square

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



58.4399, 82.1758, 59.7951



66.9055, 82.1758, 166.6650



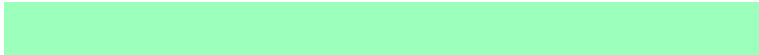
101.7517, 82.1758, 127.6402



90.4908, 82.1758, 40.7847

Rectangle

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



58.4399, 82.1758, 59.7951



57.3651, 82.1758, 117.6977



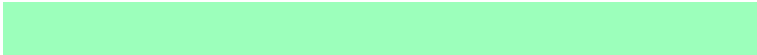
101.7517, 82.1758, 127.6402



103.3249, 82.1758, 66.1690

Sweetspot

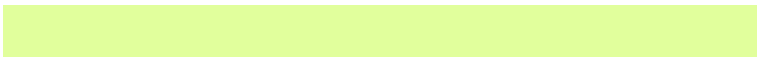
The Sweet Spot groups the original color and five complimentary colors.



58.4405, 82.1760, 59.7964



81.4733, 93.3708, 91.5568



72.9060, 89.9762, 44.9778



17.1494, 19.8441, 19.2185



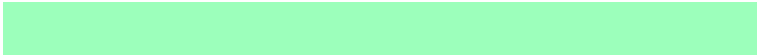
0.0000, 0.0000, 0.0000



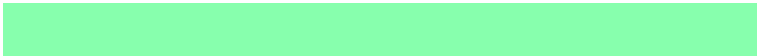
20.3446, 21.4041, 23.3091

Same Dimension

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



58.4405, 82.1760, 59.7964



53.2877, 79.6881, 51.9460



64.4950, 84.5978, 91.6788



18.0058, 20.2619, 20.3337



19.4980, 37.6958, 10.5079



1.9453, 3.6890, 1.2696

Inverse Universe

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



66.5832, 50.4192, 76.7430



62.5105, 43.6641, 71.0998



60.9455, 48.1642, 47.0557



18.5363, 18.1978, 21.4414



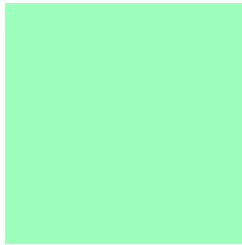
25.6701, 12.7573, 22.7108



2.5488, 1.2619, 2.4712

Previews

White Background



This preview shows how the XYZ color 58.4399, 82.1758, 59.7951 looks on a white background.

Color Contrast Check

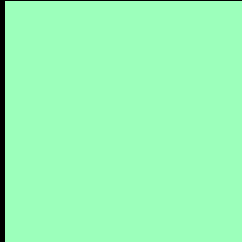
Large Text (above 18pt) WCAG AA × Fail

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 58.4399, 82.1758, 59.7951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

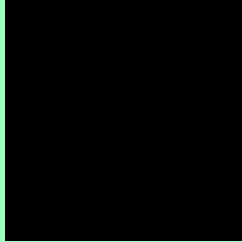
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4399, 82.1758, 59.7951

Background



This preview shows how black text looks on a background with the XYZ color 58.4399, 82.1758, 59.7951.



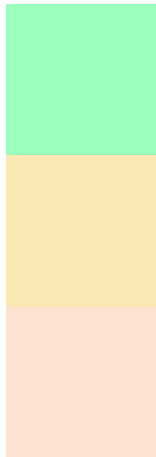
This preview shows how white text looks on a background with the XYZ color 58.4399, 82.1758,

59.7951.

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

58.4399, 82.1758, 59.7951

Protanopia

75.8593, 81.0273, 53.2366

Deuteranopia

80.3419, 80.8513, 72.3442



Tritanopia

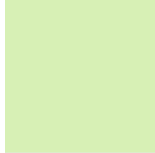
71.7534, 81.5999, 106.5763

Trichromacy



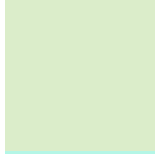
Original Color

58.4399, 82.1758, 59.7951



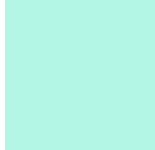
Protanomaly

67.5249, 80.1034, 55.6186



Deuteranomaly

70.1583, 79.8927, 67.6002



Tritanomaly

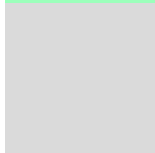
66.0611, 81.3280, 87.0790

Monochromacy



Original Color

58.4399, 82.1758, 59.7951



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.3441, 73.2589, 69.8860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4399, 82.1758, 59.7951 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(156, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 187)  
}
```

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(156, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 58.4399, 82.1758, 59.7951 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(156, 255, 187) }
```


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

```
.border{ border-color:rgb(156, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4399, 82.1758, 59.7951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 187) }
```

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

```
.background{ background-color: rgb(156,  
255, 187) }
```

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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