

Converting Colors

XYZ(65.8619, 97.2099, 67.0218)

Have a look what the booklet for
XYZ(65.8619, 97.2099, 67.0218)
contains.

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Color

**XYZ(58.1880, 81.9442,
64.3797)**

Conversions

Conversions Part 1

Format	Color
Hex	96FFC3
RGB	150, 255, 195
RGB Percent	59%, 100%, 76%
CMY	0.4118, 0.0000, 0.2353
CMYK	0.41, 0.00, 0.24, 0.00
HSL	146°, 100%, 79%
HSV	146°, 41%, 100%
XYZ	58.1880, 81.9442, 64.3797
YIQ	216.7650, -43.3200, -40.9200

Conversions

Conversions Part 2

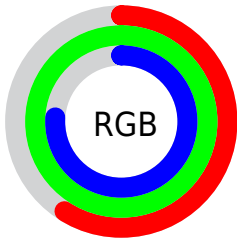
Format	Color
RYB	150, 224, 255
Decimal	9895875
CIELab	92.55, -43.33, 19.29
CIELCh	93, 47.433, 156.003
Yxy	81.9442, 0.2845, 0.4007
Android (android.graphics.Color)	4288085955 (0xFF96FFC3)
YUV	216.7650, -10.7301, -58.5529
Hunter-Lab	90.5230, -43.6759, 21.1993

Details

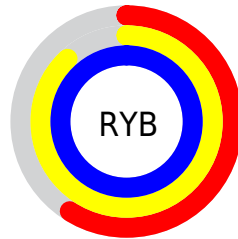
The XYZ color **58.1880, 81.9442, 64.3797** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.7795, 47.7265, 66.8234**, and the grayscale version is **65.8846, 69.3158, 75.4849**.

A 20% lighter version of the original color is **79.3431, 91.9582, 105.6633**, and **29.5160, 44.6384, 32.2597** is the 20% darker color. If you saturate the color by 10%, you get **52.4271, 79.1555, 55.9259**, and if you desaturate by 10%, it is **65.1319, 85.3241, 73.7308**.

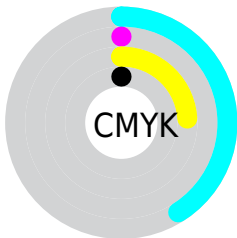
Distribution



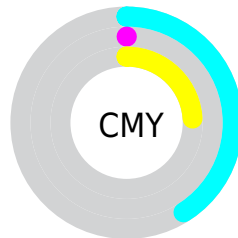
- Red (59%)
- Green (100%)
- Blue (76%)



- Red (59%)
- Yellow (88%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1880, 81.9442, 64.3797 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 58.1880, 81.9442, 64.3797 by changing the saturation by 10% instead.


 58.1880, 81.9442,
64.3797


 58.1880, 81.9442,
64.3797


407.8287,
501.4610, 458.8046

 42.2037, 61.3195,
46.5101


 101.3180,
136.0957, 112.7623

 29.4526, 44.4831,
32.2970


 129.1943,
170.3914, 144.1124

 19.5695, 31.0505,
21.3218

161.7654,
210.0129, 180.7931

 12.1889, 20.6373,
13.1659

199.3965,
255.3446, 223.2230

 6.9456, 12.8591,
7.4108

242.4530,
306.7708, 271.8205

 3.4741, 7.3316,
3.6380

291.3003,

 1.4092, 3.6703,

364.6760, 327.0043

1.4289

346.3038,
429.4447, 389.1928

■ 0.2627, 1.4909,
0.1641

■ 0.0000, 0.2823,
0.0000

■ 58.1880, 81.9442,
64.3797

■ 58.1880, 81.9442,
64.3797

■ 52.4271, 79.1555,
55.9259

■ 65.1319, 85.3241,
73.7308

■ 47.7759, 76.9208,
48.3381

■ 73.3221, 89.3275,
84.0013

■ 44.1552, 75.1999,
41.5890

■ 82.8198, 93.9853,
95.2173

■ 41.4741, 73.9465,
35.6479

■ 93.6810, 99.3260,
107.4027

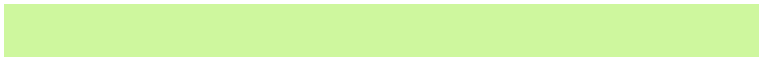
■ 39.6240, 73.1051, 95.0500, 100.0000,
30.4822 108.9000

■ 38.5358, 72.6303,
26.5374

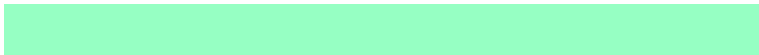
Harmonies

Analogous

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



64.7749, 81.9442, 44.8258



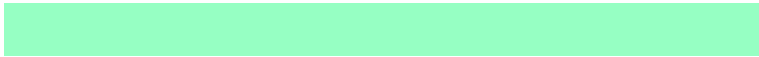
58.1880, 81.9442, 64.3797



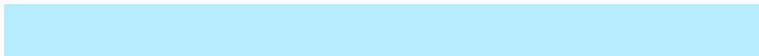
56.6234, 81.9442, 96.5070

Triad

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



58.1880, 81.9442, 64.3797



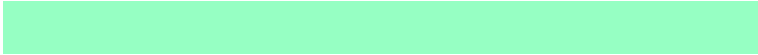
80.3889, 81.9442, 175.1235



98.6628, 81.9442, 54.9922

Complementary

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



58.1880, 81.9442, 64.3797



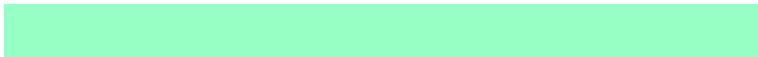
63.7795, 47.7265, 66.8234

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.



103.8977, 81.9442, 82.3157



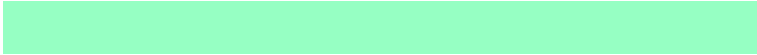
58.1880, 81.9442, 64.3797



92.6556, 81.9442, 156.1253

Square

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



58.1880, 81.9442, 64.3797



68.6437, 81.9442, 166.6547



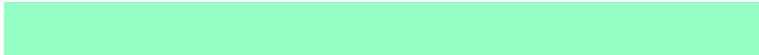
101.5913, 81.9442, 119.7544



87.9217, 81.9442, 40.4904

Rectangle

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



58.1880, 81.9442, 64.3797



58.4769, 81.9442, 122.3913



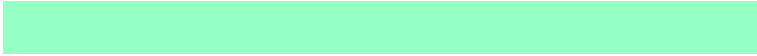
101.5913, 81.9442, 119.7544



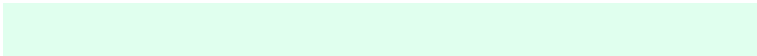
101.1737, 81.9442, 62.6644

Sweetspot

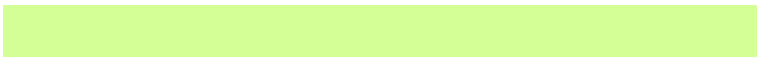
The Sweet Spot groups the original color and five complimentary colors.



58.1886, 81.9445, 64.3810



81.9860, 93.5758, 94.2563



68.2011, 87.6080, 42.1705



17.2696, 19.8922, 19.8517



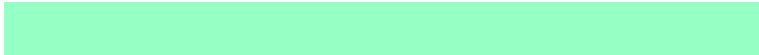
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

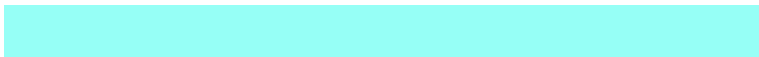
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.1886, 81.9445, 64.3810



53.5836, 79.7138, 57.6906



65.0111, 84.6734, 100.3074



18.0947, 20.2974, 20.8017



20.2071, 37.9794, 14.2416



2.0209, 3.7193, 1.6679

Inverse Universe

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



63.7795, 47.7265, 66.8234



59.8248, 41.4768, 60.3883



58.3832, 45.5680, 38.4065



18.4444, 18.1611, 20.9572



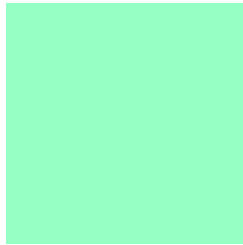
24.3244, 12.2191, 15.6248



2.4231, 1.2116, 1.8097

Previews

White Background



This preview shows how the XYZ color 58.1880, 81.9442, 64.3797 looks on a white background.

Color Contrast Check

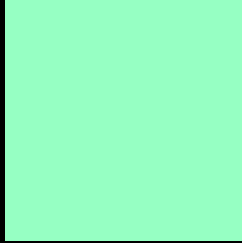
Large Text (above 18pt) WCAG AA × Fail

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 58.1880, 81.9442, 64.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

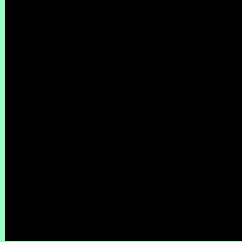
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

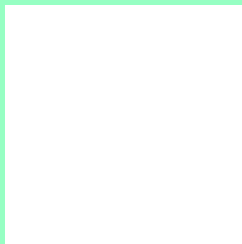
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1880, 81.9442, 64.3797

Background



This preview shows how black text looks on a background with the XYZ color 58.1880, 81.9442, 64.3797.

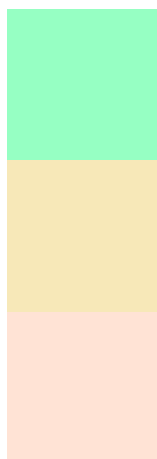


This preview shows how white text looks on a background with the XYZ color 58.1880, 81.9442,

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

58.1880, 81.9442, 64.3797

Protanopia

75.8661, 80.9481, 56.9734

Deuteranopia

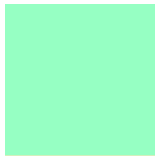
80.7193, 81.0023, 74.3314



Tritanopia

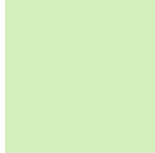
70.9912, 81.2070, 106.5406

Trichromacy



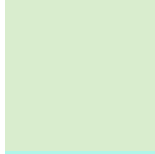
Original Color

58.1880, 81.9442, 64.3797



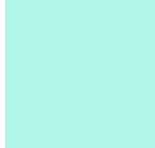
Protanomaly

67.3886, 79.9481, 59.4567



Deuteranomaly

70.0400, 79.7763, 70.0994



Tritanomaly

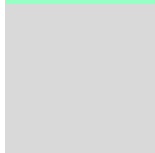
65.5682, 81.0248, 89.2743

Monochromacy



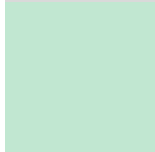
Original Color

58.1880, 81.9442, 64.3797



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.0769, 73.0927, 71.1581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1880, 81.9442, 64.3797 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(150, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 195)  
}
```

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(150, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 58.1880, 81.9442, 64.3797 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(150, 255, 195) }
```


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

```
.border{ border-color:rgb(150, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1880, 81.9442, 64.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 195) }
```

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

```
.background{ background-color: rgb(150,  
255, 195) }
```

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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