

Converting Colors

XYZ(58.3433, 80.7095, 59.8566)

Have a look what the booklet for
XYZ(58.3433, 80.7095, 59.8566)
contains.

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Color

**XYZ(58.3847, 80.7252,
60.0813)**

Conversions

Conversions Part 1

Format	Color
Hex	A0FCBC
RGB	160, 252, 188
RGB Percent	63%, 99%, 74%
CMY	0.3725, 0.0117, 0.2627
CMYK	0.37, 0.00, 0.25, 0.01
HSL	138°, 94%, 81%
HSV	138°, 37%, 99%
XYZ	58.3847, 80.7252, 60.0813
YIQ	217.1960, -34.2880, -39.4080

Conversions

Conversions Part 2

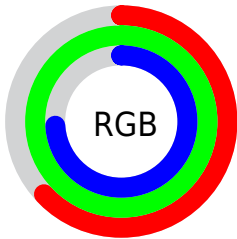
Format	Color
RYB	160, 231, 252
Decimal	10550460
CIELab	92.01, -40.52, 22.18
CIELCh	92, 46.196, 151.306
Yxy	80.7252, 0.2931, 0.4053
Android (android.graphics.Color)	4288740540 (0xFFA0FCBC)
YUV	217.1960, -14.3936, -50.1609
Hunter-Lab	89.8472, -41.2394, 23.2455

Details

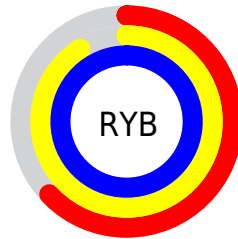
The XYZ color **58.3847, 80.7252, 60.0813** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.1729, 51.2206, 76.9230**, and the grayscale version is **66.2019, 69.6496, 75.8484**.

A 20% lighter version of the original color is **80.7044, 92.8034, 99.2472**, and **29.5271, 43.6945, 29.4319** is the 20% darker color. If you saturate the color by 10%, you get **52.0720, 77.6784, 50.5134**, and if you desaturate by 10%, it is **65.9523, 84.3969, 70.9098**.

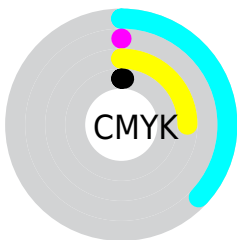
Distribution



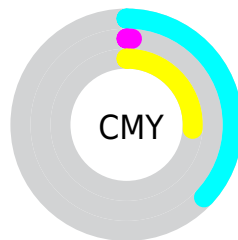
- Red (63%)
- Green (99%)
- Blue (74%)



- Red (63%)
- Yellow (91%)
- Blue (99%)



- Cyan (37%)
- Magenta (0%)
- Yellow (25%)
- Black (1%)





- Cyan (37%)
- Magenta (1%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3847, 80.7252, 60.0813 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 58.3847, 80.7252, 60.0813 by changing the saturation by 10% instead.

 58.3847, 80.7252,
60.0813


 58.3847, 80.7252,
60.0813


408.5487,
497.3735, 442.7103

 42.3625, 60.3153,
43.0584

 101.6026,
134.3848, 106.4921

 29.5776, 43.6728,
29.5992


 129.5290,
168.4034, 136.7172

 19.6646, 30.4134,
19.2851


162.1541,
207.7269, 172.1800

 12.2584, 20.1526,
11.6976

199.8434,
252.7399, 213.2992

 6.9933, 12.5060,
6.4181

242.9621,
303.8266, 260.4933

 3.5042, 7.0893,
3.0281

291.8757,

 1.4257, 3.5180,

361.3715, 314.1808

1.1090

346.9494,
425.7590, 374.7803

0.2744, 1.4078,
0.0000

0.0000, 0.2224,
0.0000

58.3847, 80.7252,
60.0813

58.3847, 80.7252,
60.0813

52.0720, 77.6784,
50.5134

65.9523, 84.3969,
70.9098

46.9376, 75.2112,
42.1546

74.8330, 88.7158,
83.0371

42.9061, 73.2880,
34.9578

85.0891, 93.7156,
96.5065

39.8902, 71.8649,
28.8707

94.1019, 98.1038,
108.5840

■ 37.7887, 70.8908,
23.8367

■ 36.4763, 70.3023,
19.7938

■ 36.1408, 70.1554,
18.6016

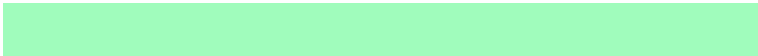
Harmonies

Analogous

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



65.4602, 80.7252, 43.0156



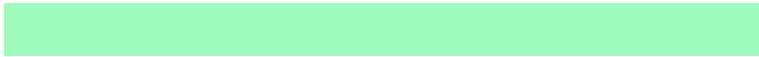
58.3847, 80.7252, 60.0813



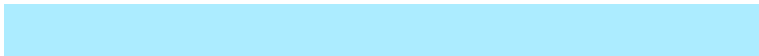
56.0827, 80.7252, 89.3953

Triad

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



58.3847, 80.7252, 60.0813



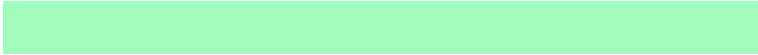
77.2486, 80.7252, 170.8517



97.9431, 80.7252, 58.0997

Complementary

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



58.3847, 80.7252, 60.0813



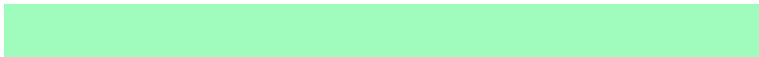
66.1729, 51.2206, 76.9230

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.



101.9015, 80.7252, 86.4136



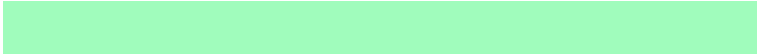
58.3847, 80.7252, 60.0813



89.2174, 80.7252, 156.4682

Square

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



58.3847, 80.7252, 60.0813



66.2746, 80.7252, 158.6683



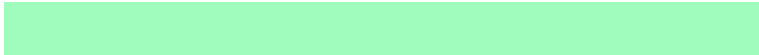
98.5570, 80.7252, 123.1923



88.2241, 80.7252, 42.0964

Rectangle

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



58.3847, 80.7252, 60.0813



57.3541, 80.7252, 113.8705



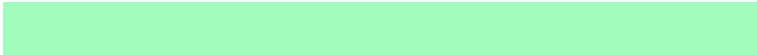
98.5570, 80.7252, 123.1923



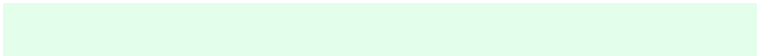
100.0340, 80.7252, 66.2062

Sweetspot

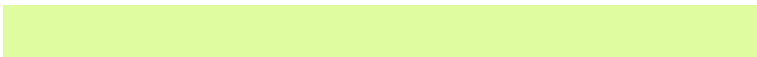
The Sweet Spot groups the original color and five complimentary colors.



58.3868, 80.7285, 60.0831



82.4886, 93.8691, 92.7375



72.0231, 88.0739, 46.4625



17.3508, 19.9431, 19.4486



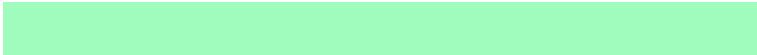
0.0000, 0.0000, 0.0000



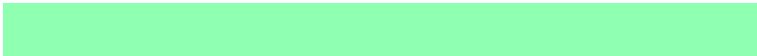
20.3446, 21.4041, 23.3091

Same Dimension

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



58.3868, 80.7285, 60.0831



54.9837, 80.5140, 54.2103



64.1040, 83.0154, 90.1891



17.2348, 19.3962, 19.4372



18.8824, 36.5660, 9.9901



1.7938, 3.4046, 1.1621

Inverse Universe

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



66.1729, 51.2206, 76.9230



64.0640, 46.0575, 73.8172



60.7941, 49.0691, 48.5987



17.7549, 17.4293, 20.5649



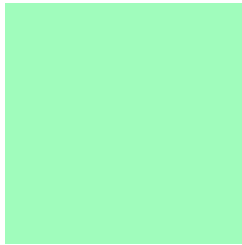
25.0270, 12.4265, 22.6485



2.3651, 1.1698, 2.3459

Previews

White Background



This preview shows how the XYZ color 58.3847, 80.7252, 60.0813 looks on a white background.

Color Contrast Check

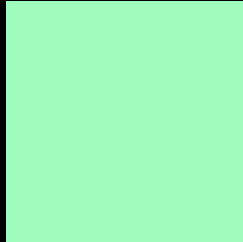
Large Text (above 18pt) WCAG AA × Fail

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 58.3847, 80.7252, 60.0813 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 58.3847, 80.7252, 60.0813

Background



This preview shows how black text looks on a background with the XYZ color 58.3847, 80.7252, 60.0813.

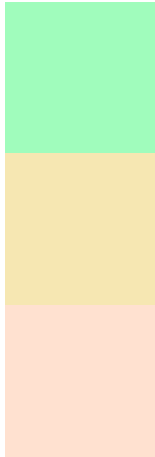


This preview shows how white text looks on a background with the XYZ color 58.3847, 80.7252,

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

58.3847, 80.7252, 60.0813

Protanopia

74.6178, 79.9590, 53.6203

Deuteranopia

79.5504, 79.6645, 70.8585



Tritanopia

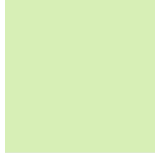
70.4453, 80.4873, 106.4305

Trichromacy



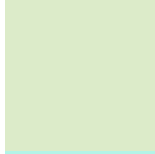
Original Color

58.3847, 80.7252, 60.0813



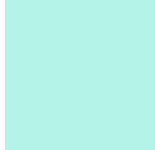
Protanomaly

67.3343, 79.5575, 56.0632



Deuteranomaly

69.7661, 78.8494, 66.8007



Tritanomaly

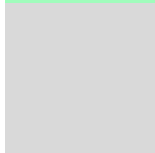
65.3649, 80.0546, 87.6083

Monochromacy



Original Color

58.3847, 80.7252, 60.0813



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.2023, 72.7856, 69.1631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3847, 80.7252, 60.0813 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(160, 252, 188)` looks like.

```
.text, #text, p{  
    color:rgb(160, 252, 188)  
}
```

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(160, 252, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 252, 188) }
```

Border

The CSS property to change the border of an element to XYZ 58.3847, 80.7252, 60.0813 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(160, 252, 188) }
```


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

```
.border{ border-color:rgb(160, 252, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 252, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 252, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 252, 188);  
box-shadow:4px 4px 4px 4px rgb(160, 252,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3847, 80.7252, 60.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 252, 188) }
```

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

```
.background{ background-color: rgb(160,  
252, 188) }
```

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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