

Converting Colors

XYZ(59.8156, 82.7940, 63.9701)

Have a look what the booklet for
XYZ(59.8156, 82.7940, 63.9701)
contains.

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Color

**XYZ(59.7957, 82.7860,
63.8667)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFFC2
RGB	159, 255, 194
RGB Percent	62%, 100%, 76%
CMY	0.3765, 0.0000, 0.2392
CMYK	0.38, 0.00, 0.24, 0.00
HSL	142°, 100%, 81%
HSV	142°, 38%, 100%
XYZ	59.7957, 82.7860, 63.8667
YIQ	219.3420, -37.6350, -39.3230

Conversions

Conversions Part 2

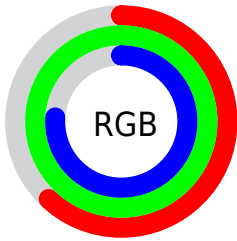
Format	Color
RYB	159, 229, 255
Decimal	10485698
CIELab	92.92, -41.05, 20.38
CIELCh	93, 45.834, 153.604
Yxy	82.7860, 0.2896, 0.4010
Android (android.graphics.Color)	4288675778 (0xFF9FFFC2)
YUV	219.3420, -12.4936, -52.9199
Hunter-Lab	90.9868, -41.9184, 22.0731

Details

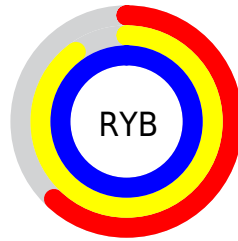
The XYZ color **59.7957, 82.7860, 63.8667** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.5567, 51.2243, 74.0893**, and the grayscale version is **67.6720, 71.1962, 77.5327**.

A 20% lighter version of the original color is **81.4915, 93.0840, 104.9387**, and **30.5212, 45.1652, 31.9201** is the 20% darker color. If you saturate the color by 10%, you get **53.5281, 79.7538, 54.5868**, and if you desaturate by 10%, it is **67.3061, 86.4358, 74.2432**.

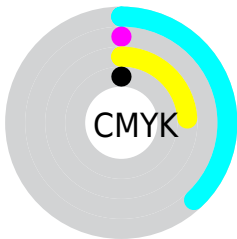
Distribution



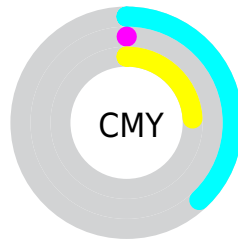
- Red (62%)
- Green (100%)
- Blue (76%)



- Red (62%)
- Yellow (90%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7957, 82.7860, 63.8667 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 59.7957, 82.7860, 63.8667 by changing the saturation by 10% instead.

 59.7957, 82.7860,
63.8667


 59.7957, 82.7860,
63.8667


413.6911,
504.2730, 456.9024

 43.5028, 62.0136,
46.0972


 103.6413,
137.2757, 112.0166

 30.4761, 45.0437,
31.9733


 131.9247,
171.7618, 143.2340

 20.3501, 31.4919,
21.0765


164.9356,
211.5880, 179.7712

 12.7595, 20.9737,
12.9881

203.0395,
257.1385, 222.0467

 7.3390, 13.1048,
7.2897

246.6016,
308.7979, 270.4790

 3.7232, 7.5007,
3.5628

295.9874,

 1.5468, 3.7772,

366.9506, 325.4867

1.3887

351.5621,
431.9808, 387.4883

■ 0.3573, 1.5497,
0.1329

■ 0.0000, 0.3233,
0.0000

■ 59.7957, 82.7860,
63.8667

■ 59.7957, 82.7860,
63.8667

■ 53.5281, 79.7538,
54.5868

■ 67.3061, 86.4358,
74.2432

■ 48.4304, 77.3026,
46.3631

■ 76.1224, 90.7353,
85.7470

■ 44.4248, 75.3929,
39.1584

■ 86.3059, 95.7153,
98.4123

■ 41.4226, 73.9800,
32.9318

95.0500, 100.0000,
108.9000

■ 39.3203, 73.0111,
27.6394

■ 37.9828, 72.4178,
23.2330

■ 37.7345, 72.3098,
22.3177

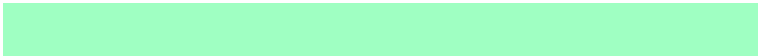
Harmonies

Analogous

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



66.6081, 82.7860, 45.5870



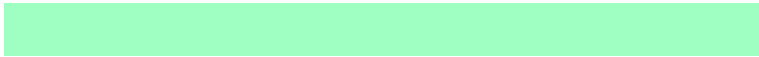
59.7957, 82.7860, 63.8667



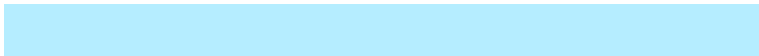
57.8542, 82.7860, 94.3523

Triad

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



59.7957, 82.7860, 63.8667



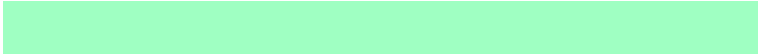
80.1430, 82.7860, 173.3557



99.4825, 82.7860, 58.3246

Complementary

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



59.7957, 82.7860, 63.8667



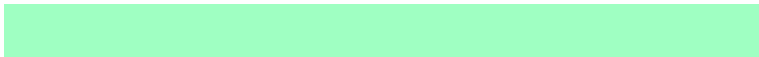
66.5567, 51.2243, 74.0893

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.



103.9988, 82.7860, 86.0547



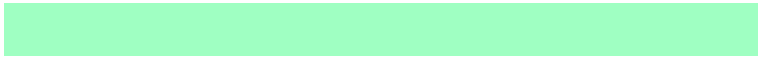
59.7957, 82.7860, 63.8667



92.1413, 82.7860, 157.0409

Square

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



59.7957, 82.7860, 63.8667



68.8786, 82.7860, 163.1243



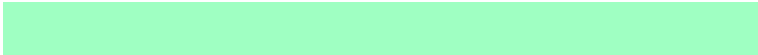
101.1857, 82.7860, 122.7805



89.3820, 82.7860, 43.0040

Rectangle

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



59.7957, 82.7860, 63.8667



59.4013, 82.7860, 119.2333



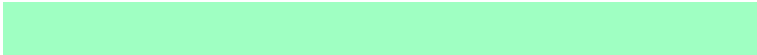
101.1857, 82.7860, 122.7805



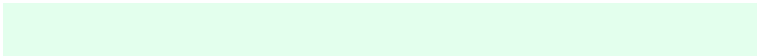
101.7480, 82.7860, 66.2116

Sweetspot

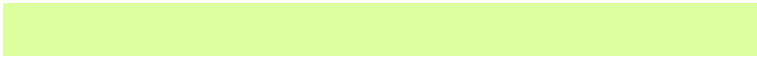
The Sweet Spot groups the original color and five complimentary colors.



59.7963, 82.7863, 63.8680



82.7347, 93.9675, 94.0333



71.9591, 89.4584, 46.2764



17.4092, 19.9665, 19.7562



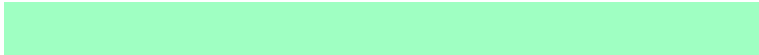
0.0000, 0.0000, 0.0000



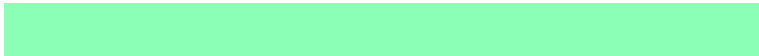
20.3446, 21.4041, 23.3091

Same Dimension

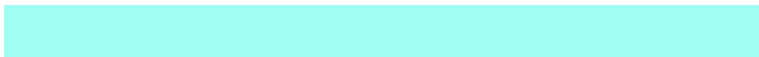
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7963, 82.7863, 63.8680



55.0699, 80.4982, 56.9384



65.8760, 85.2181, 95.8831



18.0453, 20.2776, 20.5414



19.7823, 37.8095, 12.0049



1.9764, 3.7015, 1.4337

Inverse Universe

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



66.5567, 51.2243, 74.0893



62.6856, 44.9017, 68.4222



61.2202, 49.0897, 45.9879



18.4952, 18.1814, 21.2247



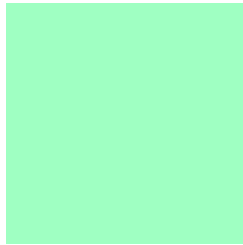
25.0321, 12.5021, 19.3511



2.4898, 1.2383, 2.1608

Previews

White Background



This preview shows how the XYZ color 59.7957, 82.7860, 63.8667 looks on a white background.

Color Contrast Check

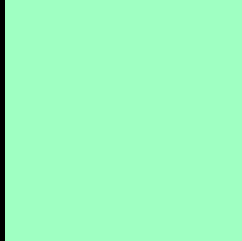
Large Text (above 18pt) WCAG AA × Fail

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 59.7957, 82.7860, 63.8667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

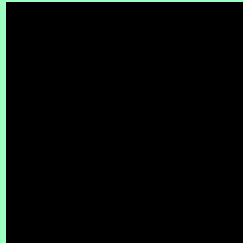
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.7957, 82.7860, 63.8667

Background



This preview shows how black text looks on a background with the XYZ color 59.7957, 82.7860, 63.8667.

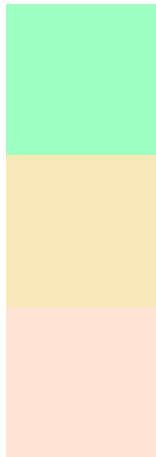


This preview shows how white text looks on a background with the XYZ color 59.7957, 82.7860,

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

59.7957, 82.7860, 63.8667

Protanopia

76.8576, 81.8783, 57.1007

Deuteranopia

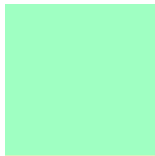
81.1210, 81.6018, 75.0935



Tritanopia

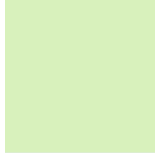
72.8281, 82.5946, 106.7116

Trichromacy



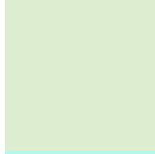
Original Color

59.7957, 82.7860, 63.8667



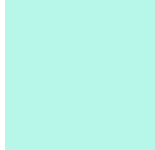
Protanomaly

68.8513, 81.1404, 59.6098



Deuteranomaly

71.3522, 80.8697, 70.8802



Tritanomaly

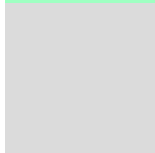
67.4972, 82.4720, 89.4520

Monochromacy



Original Color

59.7957, 82.7860, 63.8667



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.5154, 74.2367, 71.9543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7957, 82.7860, 63.8667 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(159, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 194)  
}
```

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(159, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 59.7957, 82.7860, 63.8667 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(159, 255, 194) }
```


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

```
.border{ border-color:rgb(159, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7957, 82.7860, 63.8667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 194) }
```

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

```
.background{ background-color: rgb(159,  
255, 194) }
```

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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