

Converting Colors

XYZ(59.0271, 81.9223, 63.6369)

Have a look what the booklet for
XYZ(59.0271, 81.9223, 63.6369)
contains.

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Color

**XYZ(59.0840, 81.9468,
63.7422)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFEC2
RGB	157, 254, 194
RGB Percent	62%, 100%, 76%
CMY	0.3843, 0.0039, 0.2392
CMYK	0.38, 0.00, 0.24, 0.00
HSL	143°, 98%, 81%
HSV	143°, 38%, 100%
XYZ	59.0840, 81.9468, 63.7422
YIQ	218.1570, -38.5520, -39.2240

Conversions

Conversions Part 2

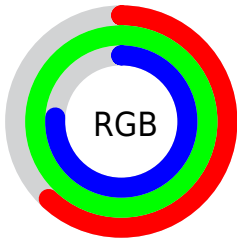
Format	Color
RYB	157, 227, 254
Decimal	10354370
CIELab	92.55, -41.17, 19.85
CIELCh	93, 45.705, 154.260
Yxy	81.9468, 0.2885, 0.4002
Android (android.graphics.Color)	4288544450 (0xFF9DFEC2)
YUV	218.1570, -11.9094, -53.6347
Hunter-Lab	90.5245, -41.9135, 21.6185

Details

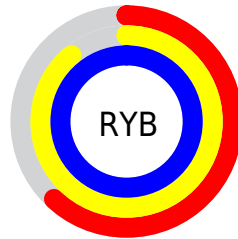
The XYZ color **59.0840, 81.9468, 63.7422** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.4571, 50.1962, 71.8875**, and the grayscale version is **66.8492, 70.3306, 76.5900**.

A 20% lighter version of the original color is **80.9041, 92.7812, 104.9112**, and **30.0667, 44.5927, 31.8335** is the 20% darker color. If you saturate the color by 10%, you get **52.9619, 78.9862, 54.7270**, and if you desaturate by 10%, it is **66.4272, 85.5198, 73.7920**.

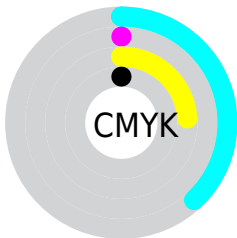
Distribution



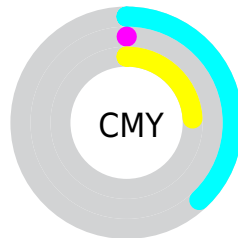
- Red (62%)
- Green (100%)
- Blue (76%)



- Red (62%)
- Yellow (89%)
- 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 59.0840, 81.9468, 63.7422 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 59.0840, 81.9468, 63.7422 by changing the saturation by 10% instead.


 59.0840, 81.9468,
63.7422


 59.0840, 81.9468,
63.7422


411.1022,
501.4697, 456.4400

 42.9274, 61.3217,
45.9971


 102.6137,
136.0994, 111.8355

 30.0224, 44.4848,
31.8948


 130.7174,
170.3957, 143.0207

 20.0038, 31.0518,
21.0170


163.5343,
210.0178, 179.5230

 12.5061, 20.6383,
12.9451

201.4295,
255.3501, 221.7609

 7.1639, 12.8599,
7.2605

244.7686,
306.7771, 270.1531

 3.6121, 7.3321,
3.5446

293.9168,

 1.4851, 3.6707,

364.6831, 325.1179

1.3790

349.2396,
429.4525, 387.0740

■ 0.3157, 1.4911,
0.1253

■ 0.0000, 0.2825,
0.0000

■ 59.0840, 81.9468,
63.7422

■ 59.0840, 81.9468,
63.7422

■ 52.9619, 78.9862,
54.7270

■ 66.4272, 85.5198,
73.7920

■ 47.9843, 76.5925,
46.7075

■ 75.0491, 89.7276,
84.9028

■ 44.0756, 74.7297,
39.6502

■ 85.0118, 94.6037,
97.1067

■ 41.1482, 73.3532,
33.5177

94.7334, 99.3668,
108.7945

■ 39.0989, 72.4108,
28.2696

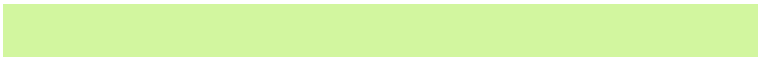
■ 37.7882, 71.8314,
23.8617

■ 37.5958, 71.7477,
23.1488

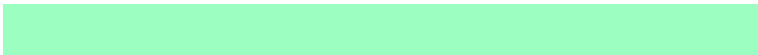
Harmonies

Analogous

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



65.7323, 81.9468, 45.3707



59.0840, 81.9468, 63.7422



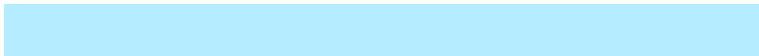
57.2716, 81.9468, 94.1710

Triad

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



59.0840, 81.9468, 63.7422



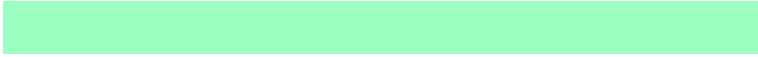
79.5960, 81.9468, 171.5775



98.3162, 81.9468, 57.2539

Complementary

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



59.0840, 81.9468, 63.7422



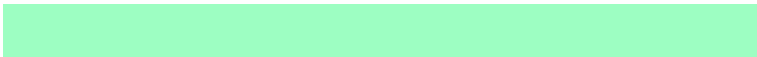
65.4571, 50.1962, 71.8875

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.



102.9388, 81.9468, 84.4575



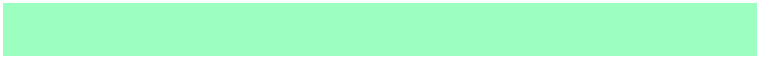
59.0840, 81.9468, 63.7422



91.4568, 81.9468, 154.8899

Square

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



59.0840, 81.9468, 63.7422



68.3902, 81.9468, 162.0107



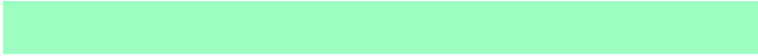
100.3101, 81.9468, 120.7314



88.2267, 81.9468, 42.3467

Rectangle

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



59.0840, 81.9468, 63.7422



58.8771, 81.9468, 118.8701



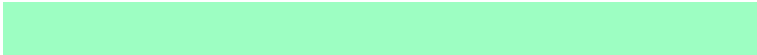
100.3101, 81.9468, 120.7314



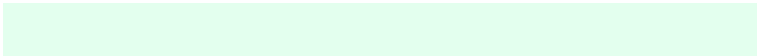
100.6051, 81.9468, 64.9722

Sweetspot

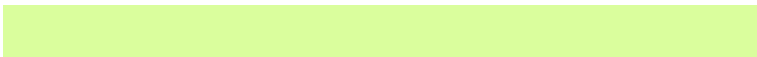
The Sweet Spot groups the original color and five complimentary colors.



59.0862, 81.9502, 63.7440



82.8039, 93.9952, 94.3977



70.5737, 88.2941, 45.2218



17.4257, 19.9730, 19.8427



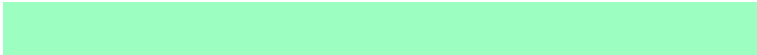
0.0000, 0.0000, 0.0000



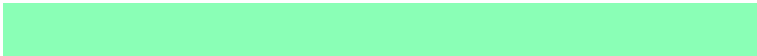
20.3446, 21.4041, 23.3091

Same Dimension

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



59.0862, 81.9502, 63.7440



54.6810, 80.2934, 57.1123



65.2362, 84.4102, 96.1293



18.0582, 20.2828, 20.6097



19.8863, 37.8511, 12.5525



1.9875, 3.7059, 1.4921

Inverse Universe

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



65.4571, 50.1962, 71.8875



61.9505, 44.0170, 66.3721



60.1817, 48.0861, 44.1078



18.4818, 18.1760, 21.1541



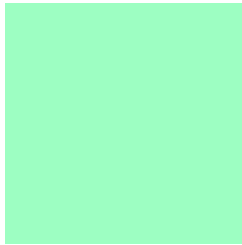
24.8367, 12.4240, 18.3223



2.4716, 1.2310, 2.0647

Previews

White Background



This preview shows how the XYZ color 59.0840, 81.9468, 63.7422 looks on a white background.

Color Contrast Check

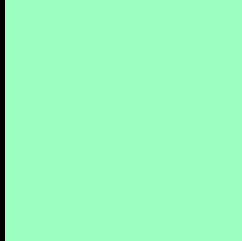
Large Text (above 18pt) WCAG AA × Fail

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 59.0840, 81.9468, 63.7422 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 59.0840, 81.9468, 63.7422

Background



This preview shows how black text looks on a background with the XYZ color 59.0840, 81.9468, 63.7422.



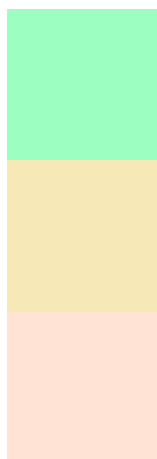
This preview shows how white text looks on a background with the XYZ color 59.0840, 81.9468,

63.7422.

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

59.0840, 81.9468, 63.7422

Protanopia

75.8661, 80.9481, 56.9734

Deuteranopia

80.5928, 80.9516, 73.6649



Tritanopia

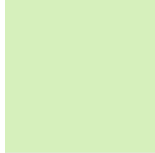
71.4976, 81.4681, 106.5643

Trichromacy



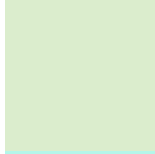
Original Color

59.0840, 81.9468, 63.7422



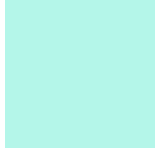
Protanomaly

67.9687, 80.2472, 59.4839



Deuteranomaly

70.5170, 80.0362, 69.4895



Tritanomaly

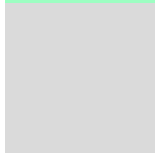
66.4861, 81.4980, 89.3173

Monochromacy



Original Color

59.0840, 81.9468, 63.7422



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.8495, 73.4910, 71.1943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0840, 81.9468, 63.7422 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(157, 254, 194)` looks like.

```
.text, #text, p{  
    color:rgb(157, 254, 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(157, 254, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 254, 194) }
```

Border

The CSS property to change the border of an element to XYZ 59.0840, 81.9468, 63.7422 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(157, 254, 194) }
```


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

```
.border{ border-color:rgb(157, 254, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 254, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 254, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 254, 194);  
box-shadow:4px 4px 4px 4px rgb(157, 254,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0840, 81.9468, 63.7422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 254, 194) }
```

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

```
.background{ background-color: rgb(157,  
254, 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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