

Converting Colors

XYZ(63.7336, 90.6507, 67.2006)

Have a look what the booklet for
XYZ(63.7336, 90.6507, 67.2006)
contains.

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Color

**XYZ(59.7427, 82.7193,
65.6410)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFFC5
RGB	157, 255, 197
RGB Percent	62%, 100%, 77%
CMY	0.3843, 0.0000, 0.2274
CMYK	0.38, 0.00, 0.23, 0.00
HSL	144°, 100%, 81%
HSV	144°, 38%, 100%
XYZ	59.7427, 82.7193, 65.6410
YIQ	219.0860, -39.7900, -38.8140

Conversions

Conversions Part 2

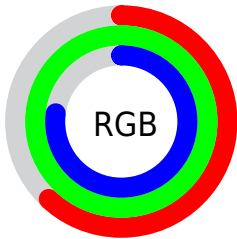
Format	Color
RYB	157, 227, 255
Decimal	10354629
CIELab	92.89, -41.06, 18.79
CIELCh	93, 45.151, 155.408
Yxy	82.7193, 0.2871, 0.3975
Android (android.graphics.Color)	4288544709 (0xFF9DFFC5)
YUV	219.0860, -10.8884, -54.4494
Hunter-Lab	90.9502, -41.9109, 20.8740

Details

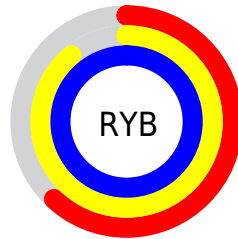
The XYZ color **59.7427, 82.7193, 65.6410** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.5631, 50.2810, 70.5397**, and the grayscale version is **67.4844, 70.9989, 77.3178**.

A 20% lighter version of the original color is **81.6737, 93.1228, 107.4358**, and **30.5188, 45.1380, 33.0906** is the 20% darker color. If you saturate the color by 10%, you get **53.6323, 79.7592, 56.7759**, and if you desaturate by 10%, it is **67.0658, 86.2846, 75.4693**.

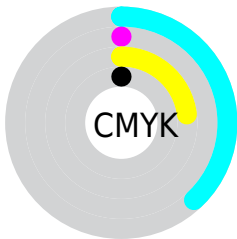
Distribution



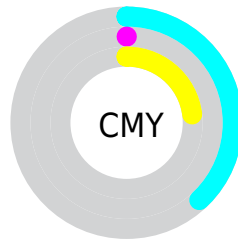
- Red (62%)
- Green (100%)
- Blue (77%)



- Red (62%)
- Yellow (89%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7427, 82.7193, 65.6410 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 59.7427, 82.7193, 65.6410 by changing the saturation by 10% instead.


 59.7427, 82.7193,
65.6410


 59.7427, 82.7193,
65.6410


413.4987,
504.0505, 463.4610

 43.4599, 61.9586,
47.5264


 103.5648,
137.1822, 114.5930

 30.4422, 44.9993,
33.0947


 131.8349,
171.6533, 146.2675

 20.3242, 31.4568,
21.9273


164.8314,
211.4633, 183.2990

 12.7406, 20.9470,
13.6057

202.9198,
256.9965, 226.1061

 7.3259, 13.0852,
7.7113

246.4653,
308.6375, 275.1073

 3.7149, 7.4873,
3.8257

295.8334,

 1.5421, 3.7687,

366.7706, 330.7211

1.5302

351.3894,
431.7801, 393.3662

■ 0.3542, 1.5450,
0.2403

■ 0.0000, 0.3201,
0.0000

■ 59.7427, 82.7193,
65.6410

■ 59.7427, 82.7193,
65.6410

■ 53.6323, 79.7592,
56.7759

■ 67.0658, 86.2846,
75.4693

■ 48.6625, 77.3676,
48.8402

■ 75.6638, 90.4865,
86.2851

■ 44.7560, 75.5055,
41.8040

■ 85.5972, 95.3558,
98.1168

■ 41.8249, 74.1280,
35.6339

95.0500, 100.0000,
108.9000

■ 39.7657, 73.1825,
30.2944

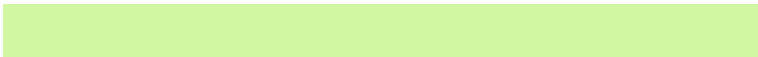
■ 38.4352, 72.5959,
25.7461

■ 38.2630, 72.5212,
25.1004

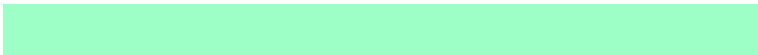
Harmonies

Analogous

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



66.1951, 82.7193, 46.8073



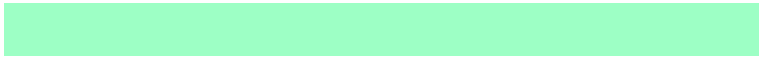
59.7427, 82.7193, 65.6410



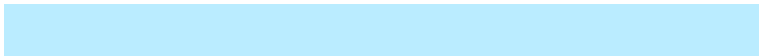
58.1278, 82.7193, 96.3313

Triad

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



59.7427, 82.7193, 65.6410



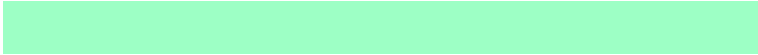
80.7800, 82.7193, 171.4844



98.6032, 82.7193, 57.4199

Complementary

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



59.7427, 82.7193, 65.6410



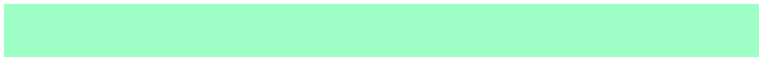
65.5631, 50.2810, 70.5397

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.



103.4432, 82.7193, 84.0808



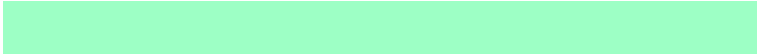
59.7427, 82.7193, 65.6410



92.5148, 82.7193, 154.0901

Square

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



59.7427, 82.7193, 65.6410



69.5527, 82.7193, 163.0175



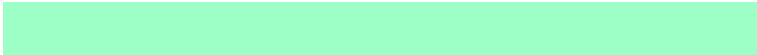
101.1111, 82.7193, 119.9065



88.4477, 82.7193, 42.9592

Rectangle

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



59.7427, 82.7193, 65.6410



59.8565, 82.7193, 120.9240



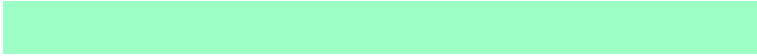
101.1111, 82.7193, 119.9065



100.9497, 82.7193, 64.9643

Sweetspot

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



59.7434, 82.7197, 65.6424



81.8946, 93.5393, 93.7752



70.1061, 88.5230, 45.2910



17.2482, 19.8837, 19.7387



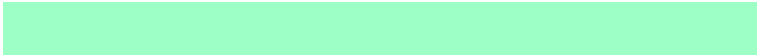
0.0000, 0.0000, 0.0000



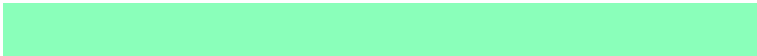
20.3446, 21.4041, 23.3091

Same Dimension

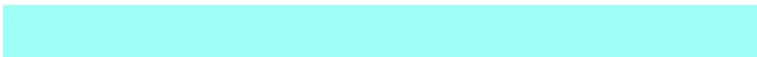
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7434, 82.7197, 65.6424



55.0098, 80.4250, 58.8441



66.1771, 85.2931, 99.5219



18.0789, 20.2911, 20.7184



20.0628, 37.9217, 13.4818



2.0060, 3.7133, 1.5895

Inverse Universe

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



65.5631, 50.2810, 70.5397



61.5628, 43.8619, 64.3308



60.2541, 48.1575, 42.5830



18.4605, 18.1675, 21.0423



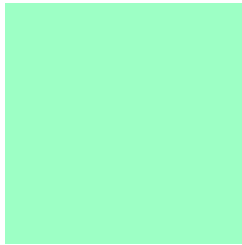
24.5400, 12.3053, 16.7598



2.4436, 1.2198, 1.9175

Previews

White Background



This preview shows how the XYZ color 59.7427, 82.7193, 65.6410 looks on a white background.

Color Contrast Check

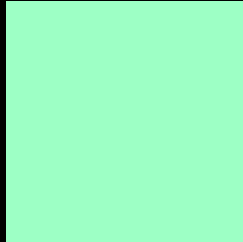
Large Text (above 18pt) WCAG AA × Fail

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 59.7427, 82.7193, 65.6410 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

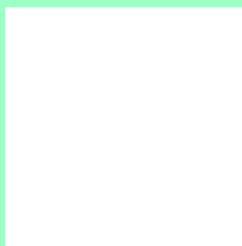
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.7427, 82.7193, 65.6410

Background



This preview shows how black text looks on a background with the XYZ color 59.7427, 82.7193, 65.6410.



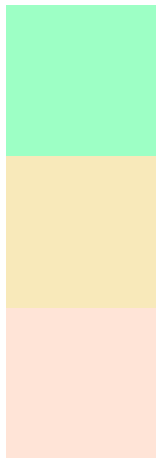
This preview shows how white text looks on a background with the XYZ color 59.7427, 82.7193,

65.6410.

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

59.7427, 82.7193, 65.6410

Protanopia

76.7132, 81.7795, 58.1962

Deuteranopia

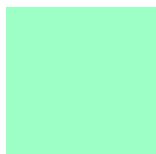
81.2491, 81.6531, 75.7683



Tritanopia

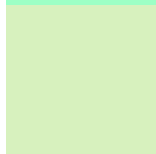
72.5671, 82.4600, 106.6994

Trichromacy



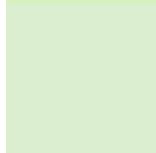
Original Color

59.7427, 82.7193, 65.6410



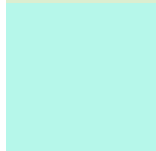
Protanomaly

68.7739, 81.0754, 60.7395



Deuteranomaly

71.1731, 80.7632, 71.5121



Tritanomaly

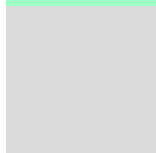
67.4035, 82.4071, 90.1955

Monochromacy



Original Color

59.7427, 82.7193, 65.6410



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.3794, 74.1521, 72.6004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7427, 82.7193, 65.6410 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, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 197)  
}
```

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, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 59.7427, 82.7193, 65.6410 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, 255, 197) }
```


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

```
.border{ border-color:rgb(157, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7427, 82.7193, 65.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 197) }
```

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

```
.background{ background-color: rgb(157,  
255, 197) }
```

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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