

Converting Colors

XYZ(60.0379, 82.7700, 70.2439)

Have a look what the booklet for
XYZ(60.0379, 82.7700, 70.2439)
contains.

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Color

**XYZ(59.9855, 82.7497,
69.9375)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFFCC
RGB	154, 255, 204
RGB Percent	60%, 100%, 80%
CMY	0.3961, 0.0000, 0.2000
CMYK	0.40, 0.00, 0.20, 0.00
HSL	150°, 100%, 80%
HSV	150°, 40%, 100%
XYZ	59.9855, 82.7497, 69.9375
YIQ	218.9870, -43.8250, -37.2730

Conversions

Conversions Part 2

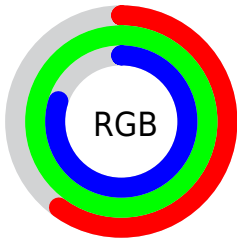
Format	Color
RYB	154, 222, 255
Decimal	10158028
CIELab	92.90, -40.53, 15.20
CIELCh	93, 43.291, 159.439
Yxy	82.7497, 0.2821, 0.3891
Android (android.graphics.Color)	4288348108 (0xFF9AFFCC)
YUV	218.9870, -7.3886, -56.9936
Hunter-Lab	90.9669, -41.4853, 18.0932

Details

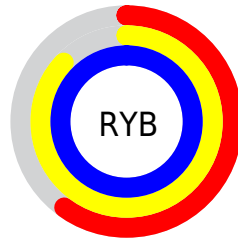
The XYZ color **59.9855, 82.7497, 69.9375** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.8154, 48.7797, 63.8096**, and the grayscale version is **67.3942, 70.9039, 77.2144**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **30.7361, 45.1868, 35.9561** is the 20% darker color. If you saturate the color by 10%, you get **54.1557, 79.9154, 61.9340**, and if you desaturate by 10%, it is **66.9752, 86.1671, 78.6645**.

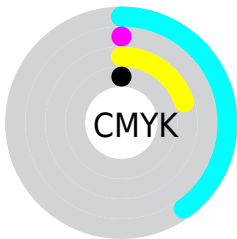
Distribution



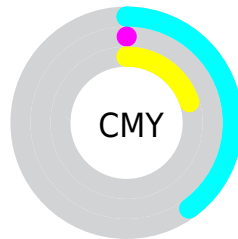
- Red (60%)
- Green (100%)
- Blue (80%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9855, 82.7497, 69.9375 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 59.9855, 82.7497, 69.9375 by changing the saturation by 10% instead.

 59.9855, 82.7497,
69.9375


 59.9855, 82.7497,
69.9375


414.3799,
504.1520, 479.1137

 43.6564, 61.9837,
50.9991

 103.9151,
137.2248, 120.7999

 30.5972, 45.0195,
35.8312


 132.2463,
171.7028, 153.5610

 20.4426, 31.4728,
24.0152


165.3088,
211.5201, 191.7667

 12.8273, 20.9591,
15.1326

203.4681,
257.0613, 235.8356

 7.3859, 13.0941,
8.7648

247.0895,
308.7106, 286.1862

 3.7531, 7.4934,
4.4934

296.5384,

 1.5634, 3.7725,

366.8526, 343.2371

1.8997

352.1801,
431.8716, 407.4067

■ 0.3684, 1.5472,
0.4926

■ 0.0000, 0.3216,
0.0000

■ 59.9855, 82.7497,
69.9375

■ 59.9855, 82.7497,
69.9375

■ 54.1557, 79.9154,
61.9340

■ 66.9752, 86.1671,
78.6645

■ 49.4148, 77.6281,
54.6306

■ 75.1859, 90.1988,
88.1294

■ 45.6869, 75.8490,
48.0086

■ 84.6764, 94.8749,
98.3512

■ 42.8847, 74.5335,
42.0464

95.0500, 100.0000,
108.9000

■ 40.9048, 73.6286,
36.7210

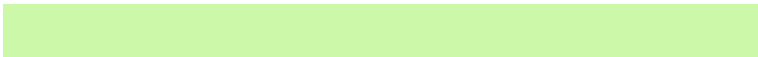
■ 39.5868, 73.0522,
32.0062

■ 39.5414, 73.0326,
31.8327

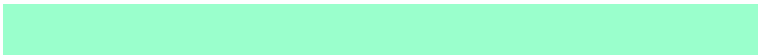
Harmonies

Analogous

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



65.6217, 82.7497, 50.0316



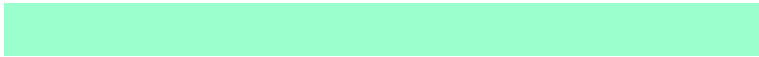
59.9855, 82.7497, 69.9375



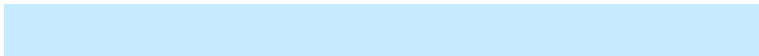
59.0789, 82.7497, 100.7119

Triad

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



59.9855, 82.7497, 69.9375



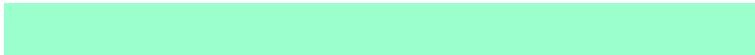
82.2740, 82.7497, 166.6190



96.6822, 82.7497, 56.0264

Complementary

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



59.9855, 82.7497, 69.9375



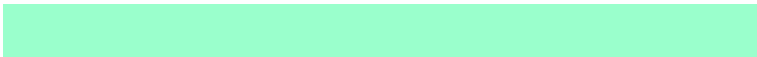
63.8154, 48.7797, 63.8096

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.



102.1290, 82.7497, 80.2617



59.9855, 82.7497, 69.9375



93.3002, 82.7497, 147.3093

Square

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



59.9855, 82.7497, 69.9375



71.2535, 82.7497, 161.9533



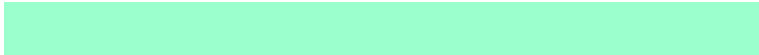
100.8353, 82.7497, 113.8078



86.5437, 82.7497, 43.4398

Rectangle

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



59.9855, 82.7497, 69.9375



61.1816, 82.7497, 124.3325



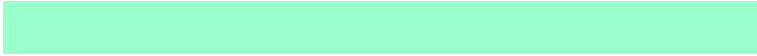
100.8353, 82.7497, 113.8078



99.1647, 82.7497, 62.8101

Sweetspot

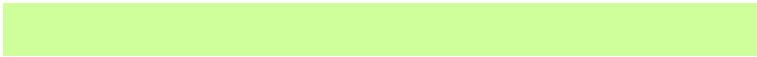
The Sweet Spot groups the original color and five complimentary colors.



59.9862, 82.7500, 69.9389



82.2858, 93.6958, 95.8353



67.0977, 87.0014, 43.8293



17.3401, 19.9204, 20.2227



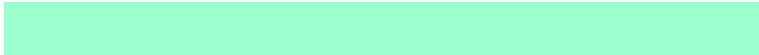
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

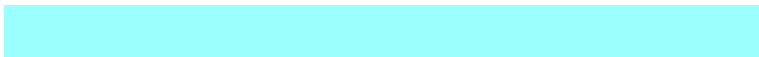
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.9862, 82.7500, 69.9389



55.0173, 80.3330, 63.1725



66.8670, 85.5023, 106.1726



18.1465, 20.3181, 21.0745



20.7364, 38.1912, 17.0291



2.0741, 3.7406, 1.9480

Inverse Universe

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



63.8154, 48.7797, 63.8096



59.3560, 41.8390, 56.2248



58.7701, 46.7616, 37.2414



18.3921, 18.1401, 20.6817



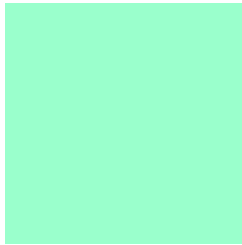
23.6864, 11.9639, 12.2652



2.3614, 1.1869, 1.4847

Previews

White Background



This preview shows how the XYZ color 59.9855, 82.7497, 69.9375 looks on a white background.

Color Contrast Check

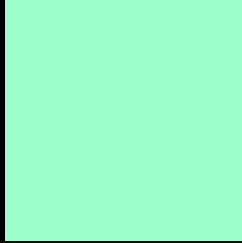
Large Text (above 18pt) WCAG AA × Fail

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 59.9855, 82.7497, 69.9375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

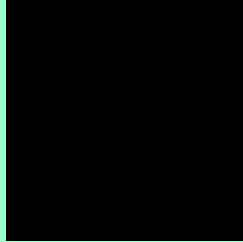
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9855, 82.7497, 69.9375

Background



This preview shows how black text looks on a background with the XYZ color 59.9855, 82.7497, 69.9375.



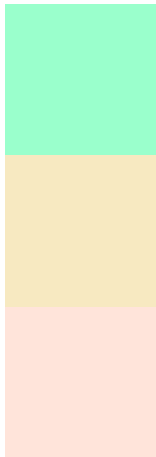
This preview shows how white text looks on a background with the XYZ color 59.9855, 82.7497,

69.9375.

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

59.9855, 82.7497, 69.9375

Protanopia

77.1223, 81.9022, 62.1960

Deuteranopia

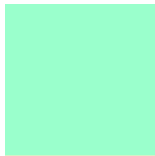
81.6383, 81.8088, 77.8175



Tritanopia

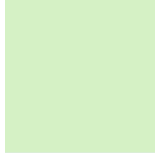
72.3078, 82.3264, 106.6873

Trichromacy



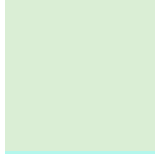
Original Color

59.9855, 82.7497, 69.9375



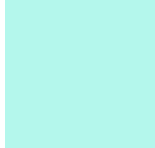
Protanomaly

68.9739, 81.0879, 64.8396



Deuteranomaly

71.4982, 80.8586, 74.7897



Tritanomaly

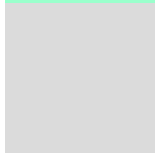
67.2235, 82.2810, 91.6956

Monochromacy



Original Color

59.9855, 82.7497, 69.9375



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.4999, 74.1704, 74.5878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9855, 82.7497, 69.9375 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(154, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 204)  
}
```

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(154, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 59.9855, 82.7497, 69.9375 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(154, 255, 204) }
```


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

```
.border{ border-color:rgb(154, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(154, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9855, 82.7497, 69.9375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 204) }
```

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

```
.background{ background-color: rgb(154,  
255, 204) }
```

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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