

# Converting Colors

XYZ(70.7902, 105.8431,  
71.1643)

Have a look what the booklet for  
XYZ(70.7902, 105.8431, 71.1643)  
contains.

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# Color

**XYZ(59.1342, 82.3655,  
67.4250)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 98FFC8                       |
| RGB         | 152, 255, 200                |
| RGB Percent | 60%, 100%, 78%               |
| CMY         | 0.4039, 0.0000, 0.2157       |
| CMYK        | 0.40, 0.00, 0.22, 0.00       |
| HSL         | 148°, 100%, 80%              |
| HSV         | 148°, 40%, 100%              |
| XYZ         | 59.1342, 82.3655, 67.4250    |
| YIQ         | 217.9330, -43.7330, -38.9410 |

# Conversions

## Conversions Part 2

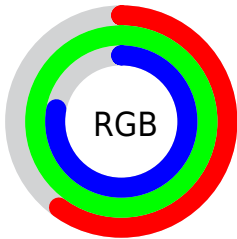
| <b>Format</b>                       | <b>Color</b>                                    |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">152, 222, 255</a>                   |
| Decimal                             | <a href="#">10026952</a>                        |
| CIELab                              | <a href="#">92.74, -41.84, 17.00</a>            |
| CIELCh                              | <a href="#">93, 45.168, 157.884</a>             |
| Yxy                                 | <a href="#">82.3655, 0.2830,<br/>0.3942</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4288217032<br/>(0xFF98FFC8)</a>     |
| YUV                                 | <a href="#">217.9330, -8.8410,<br/>-57.8232</a> |
| Hunter-Lab                          | <a href="#">90.7554, -42.5154,<br/>19.4804</a>  |

# Details

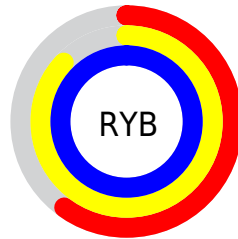
The XYZ color **59.1342, 82.3655, 67.4250** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.7311, 48.2222, 64.9804**, and the grayscale version is **66.6749, 70.1471, 76.3902**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **30.1017, 44.8964, 34.2735** is the 20% darker color. If you saturate the color by 10%, you get **53.3425, 79.5555, 59.2141**, and if you desaturate by 10%, it is **66.0950, 85.7618, 76.4332**.

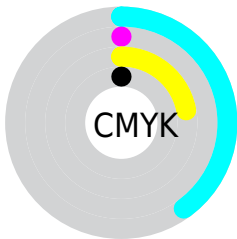
# Distribution



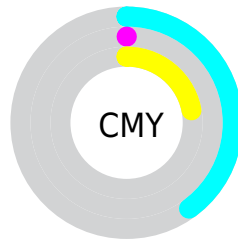
- Red (60%)
- Green (100%)
- Blue (78%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1342, 82.3655, 67.4250 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 59.1342, 82.3655, 67.4250 by changing the saturation by 10% instead.





 59.1342, 82.3655,  
67.4250


 59.1342, 82.3655,  
67.4250


411.2851,  
502.8695, 469.9987

 42.9679, 61.6669,  
48.9663


 102.6862,  
136.6864, 117.1756

 30.0544, 44.7636,  
34.2274


 130.8026,  
171.0775, 149.3046

 20.0281, 31.2712,  
22.7895


163.6332,  
210.8015, 186.8275

 12.5239, 20.8055,  
14.2343

201.5432,  
256.2429, 230.1628

 7.1762, 12.9819,  
8.1432

244.8981,  
307.7860, 279.7290

 3.6199, 7.4161,  
4.0976

294.0631,

 1.4894, 3.7236,

365.8151, 335.9447

1.6791

349.4037,  
430.7148, 399.2284

■ 0.3186, 1.5202,  
0.3463

■ 0.0000, 0.3029,  
0.0000

■ 59.1342, 82.3655,  
67.4250

■ 59.1342, 82.3655,  
67.4250

■ 53.3425, 79.5555,  
59.2141

■ 66.0950, 85.7618,  
76.4332

■ 48.6476, 77.2951,  
51.7738

■ 74.2868, 89.7759,  
86.2562

■ 44.9724, 75.5447,  
45.0820

■ 83.7695, 94.4382,  
96.9157

■ 42.2279, 74.2591,  
39.1135

■ 94.5982, 99.7770,  
108.4318

■ 40.3082, 73.3842,  
33.8415

95.0500, 100.0000,  
108.9000

■ 39.0800, 72.8480,  
29.4029

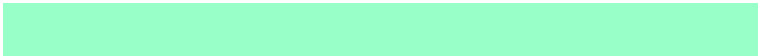
# Harmonies

## Analogous

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



65.1938, 82.3655, 47.6339



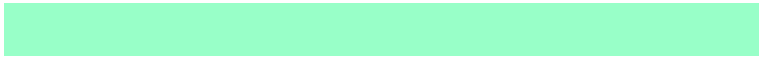
59.1342, 82.3655, 67.4250



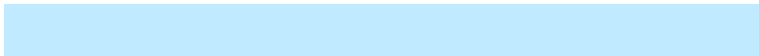
57.9386, 82.3655, 98.8704

# Triad

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



59.1342, 82.3655, 67.4250



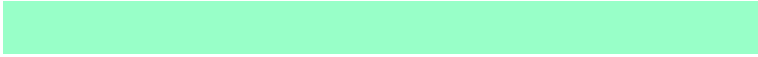
81.4317, 82.3655, 170.4314



97.5426, 82.3655, 55.4766

# Complementary

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



59.1342, 82.3655, 67.4250



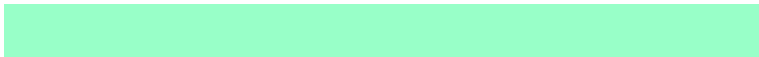
63.7311, 48.2222, 64.9804

# 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.



102.9136, 82.3655, 81.0813



59.1342, 82.3655, 67.4250



93.0230, 82.3655, 151.1863

# Square

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



59.1342, 82.3655, 67.4250



70.0703, 82.3655, 164.1335



101.1817, 82.3655, 116.3661

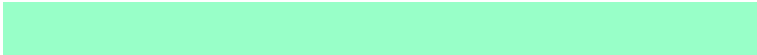


87.1199, 82.3655, 42.0372



# Rectangle

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



59.1342, 82.3655, 67.4250



59.9362, 82.3655, 123.5415



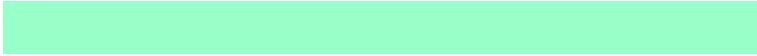
101.1817, 82.3655, 116.3661



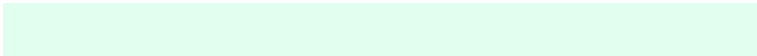
100.0439, 82.3655, 62.6542

# Sweetspot

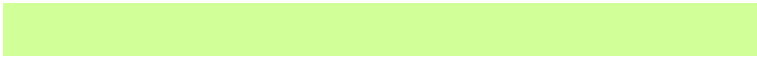
The Sweet Spot groups the original color and five complimentary colors.



59.1349, 82.3659, 67.4264



82.1545, 93.6432, 95.1436



67.6236, 87.2915, 42.9916



17.3092, 19.9081, 20.0601



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.



59.1349, 82.3659, 67.4264



54.6250, 80.1761, 61.1067



65.9412, 85.0884, 103.2675



18.1238, 20.3091, 20.9551



20.4939, 38.0942, 15.7521



2.0500, 3.7309, 1.8210



# Inverse Universe

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



63.7311, 48.2222, 64.9804



59.7611, 42.0010, 58.3580



58.5674, 46.1568, 37.7888



18.4148, 18.1493, 20.8017



23.9531, 12.0705, 13.6695

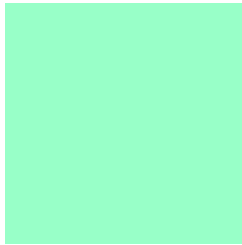


2.3875, 1.1974, 1.6217



# Previews

## White Background



This preview shows how the XYZ color 59.1342, 82.3655, 67.4250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

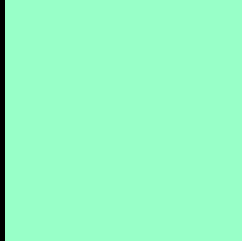
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.1342, 82.3655, 67.4250 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

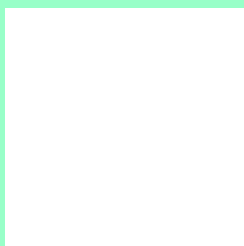
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.1342, 82.3655, 67.4250**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.1342, 82.3655, 67.4250.



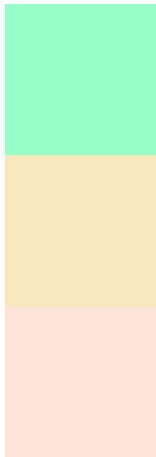
This preview shows how white text looks on a background with the XYZ color 59.1342, 82.3655,

67.4250.

# 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

59.1342, 82.3655, 67.4250

### Protanopia

76.3997, 81.1615, 59.7832

### Deuteranopia

81.1038, 81.1560, 76.3558



## Tritanopia

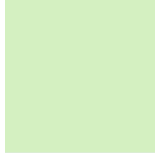
71.7944, 82.0617, 106.6633

# Trichromacy



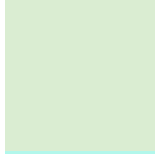
## Original Color

59.1342, 82.3655, 67.4250



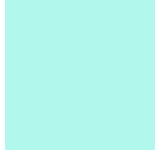
## Protanomaly

67.9371, 80.1675, 62.3453



## Deuteranomaly

70.8305, 80.1269, 72.7056



## Tritanomaly

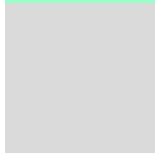
66.6163, 81.9847, 90.9108

# Monochromacy



## Original Color

59.1342, 82.3655, 67.4250



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

62.5819, 73.3243, 72.4826

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1342, 82.3655, 67.4250 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(152, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 200)  
}
```

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(152, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1342, 82.3655, 67.4250 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(152, 255, 200) }
```



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

```
.border{ border-color:rgb(152, 255, 200) }
```

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

Here you see how a box with a 4 pixel rgb(152, 255, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1342, 82.3655, 67.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 200) }
```

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

```
.background{ background-color: rgb(152,  
255, 200) }
```

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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