

# Converting Colors

XYZ(69.1118, 103.6496,  
61.9922)

Have a look what the booklet for  
XYZ(69.1118, 103.6496, 61.9922)  
contains.

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# Color

**XYZ(58.4216, 82.1909,  
58.6842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DFFB9
RGB	157, 255, 185
RGB Percent	62%, 100%, 73%
CMY	0.3843, 0.0000, 0.2745
CMYK	0.38, 0.00, 0.27, 0.00
HSL	137°, 100%, 81%
HSV	137°, 38%, 100%
XYZ	58.4216, 82.1909, 58.6842
YIQ	217.7180, -35.9380, -42.5460

# Conversions

## Conversions Part 2

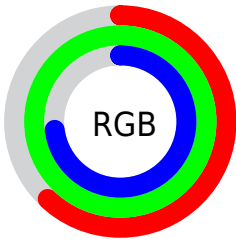
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">157, 233, 255</a>
Decimal	<a href="#">10354617</a>
CIELab	<a href="#">92.66, -43.23, 24.58</a>
CIELCh	<a href="#">93, 49.734, 150.378</a>
Yxy	<a href="#">82.1909, 0.2931, 0.4124</a>
Android (android.graphics.Color)	<a href="#">4288544697</a> ( <a href="#">0xFF9DFFB9</a> )
YUV	<a href="#">217.7180, -16.1300, -53.2497</a>
Hunter-Lab	<a href="#">90.6592, -43.6266, 25.0827</a>

# Details

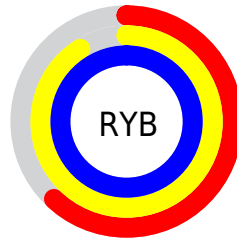
The XYZ color **58.4216, 82.1909, 58.6842** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.1624, 50.9206, 78.9615**, and the grayscale version is **66.5714, 70.0383, 76.2717**.

A 20% lighter version of the original color is **79.6615, 92.3179, 96.8396**, and **29.7258, 44.8208, 28.9144** is the 20% darker color. If you saturate the color by 10%, you get **52.1535, 79.1677, 48.9888**, and if you desaturate by 10%, it is **65.9755, 85.8484, 69.7283**.

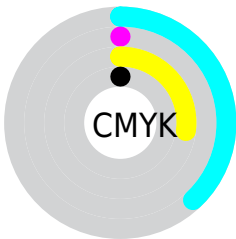
# Distribution



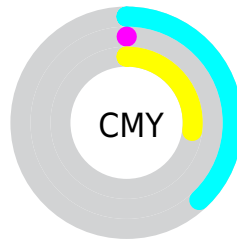
- Red (62%)
- Green (100%)
- Blue (73%)



- Red (62%)
- Yellow (91%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4216, 82.1909, 58.6842 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 58.4216, 82.1909, 58.6842 by changing the saturation by 10% instead.





 58.4216, 82.1909,  
58.6842


 58.4216, 82.1909,  
58.6842


408.6837,  
502.2860, 437.3999

 42.3923, 61.5229,  
41.9406


 101.6560,  
136.4417, 104.4431

 29.6010, 44.6473,  
28.7296


 129.5918,  
170.7932, 134.2956

 19.6825, 31.1797,  
18.6325

162.2270,  
210.4748, 169.3547

 12.2714, 20.7357,  
11.2309

199.9272,  
255.8707, 210.0391

 7.0023, 12.9310,  
6.1063

243.0576,  
307.3654, 256.7673

 3.5099, 7.3810,  
2.8400

291.9835,

 1.4288, 3.7015,

365.3433, 309.9578

1.0135

347.0705,  
430.1887, 370.0291

■ 0.2766, 1.5080,  
0.0000

■ 0.0000, 0.2944,  
0.0000

■ 58.4216, 82.1909,  
58.6842

■ 58.4216, 82.1909,  
58.6842

■ 52.1535, 79.1677,  
48.9888

■ 65.9755, 85.8484,  
69.7283

■ 47.0950, 76.7406,  
40.5861

■ 74.8815, 90.1736,  
82.1662

■ 43.1643, 74.8688,  
33.4222

■ 85.2037, 95.1984,  
96.0458

■ 40.2684, 73.5054,  
27.4375

95.0500, 100.0000,  
108.9000

■ 38.2983, 72.5955,  
22.5675

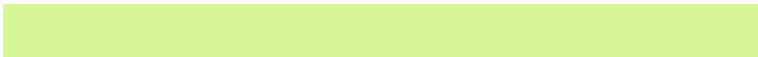
■ 37.1048, 72.0637,  
18.7403

■ 36.9579, 71.9992,  
18.2283

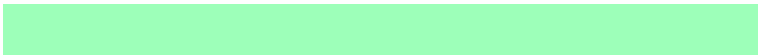
# Harmonies

## Analogous

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



66.1984, 82.1909, 41.0116



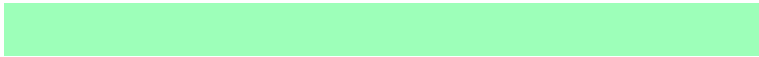
58.4216, 82.1909, 58.6842



55.7831, 82.1909, 89.9635

# Triad

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



58.4216, 82.1909, 58.6842



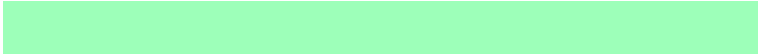
78.2845, 82.1909, 181.3576



101.6165, 82.1909, 58.0709

# Complementary

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



58.4216, 82.1909, 58.6842



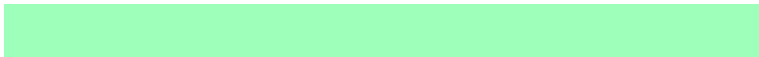
67.1624, 50.9206, 78.9615

# 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.



105.7419, 82.1909, 89.0220



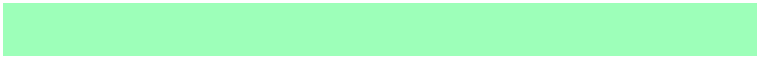
58.4216, 82.1909, 58.6842



91.3932, 82.1909, 166.1364

# Square

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



58.4216, 82.1909, 58.6842



66.4537, 82.1909, 166.8485



101.8125, 82.1909, 129.5445

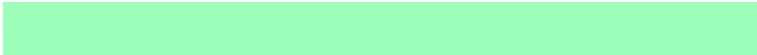


91.0775, 82.1909, 40.7324



# Rectangle

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



58.4216, 82.1909, 58.6842



57.0363, 82.1909, 116.6755



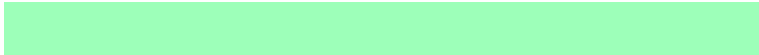
101.8125, 82.1909, 129.5445



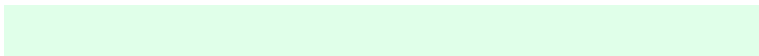
103.8481, 82.1909, 66.8969

# Sweetspot

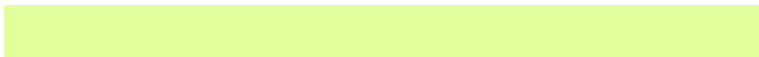
The Sweet Spot groups the original color and five complimentary colors.



58.4222, 82.1912, 58.6855



81.3530, 93.3227, 90.9234



73.5983, 90.3233, 45.4542



17.1212, 19.8329, 19.0701



0.0000, 0.0000, 0.0000

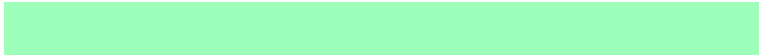


20.3446, 21.4041, 23.3091

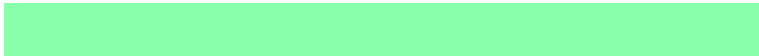


# Same Dimension

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



58.4222, 82.1912, 58.6855



53.5629, 79.8462, 51.2246



64.4828, 84.6154, 90.6004



17.9849, 20.2535, 20.2236



19.3665, 37.6432, 9.8151



1.9303, 3.6830, 1.1907



# Inverse Universe

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



67.1624, 50.9206, 78.9615



63.4013, 44.5973, 74.0121



61.3568, 48.5984, 48.3898



18.5584, 18.2067, 21.5575



26.0359, 12.9036, 24.6371

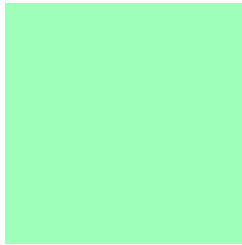


2.5822, 1.2752, 2.6470



# Previews

## White Background



This preview shows how the XYZ color 58.4216, 82.1909, 58.6842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

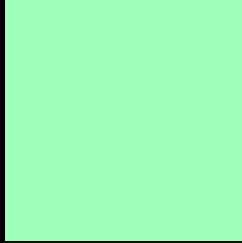
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.4216, 82.1909, 58.6842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

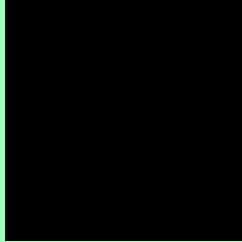
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.4216, 82.1909, 58.6842

## Background



This preview shows how black text looks on a background with the XYZ color 58.4216, 82.1909, 58.6842.



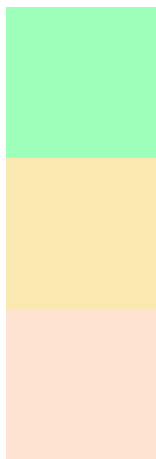
This preview shows how white text looks on a background with the XYZ color 58.4216, 82.1909,

58.6842.

# 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

58.4216, 82.1909, 58.6842

### Protanopia

75.6614, 80.9481, 52.1942

### Deuteranopia

80.3419, 80.8513, 72.3442



## **Tritanopia**

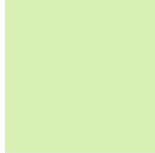
72.0110, 81.7327, 106.5883

# Trichromacy



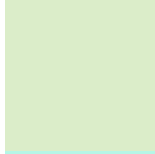
## Original Color

58.4216, 82.1909, 58.6842



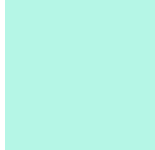
## Protanomaly

67.6157, 80.1738, 54.5592



## Deuteranomaly

70.0402, 79.8455, 66.9785



## Tritanomaly

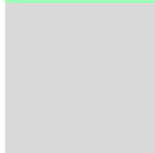
66.2948, 81.4485, 87.0899

# Monochromacy



## Original Color

58.4216, 82.1909, 58.6842



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

62.4814, 73.3438, 69.2562

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4216, 82.1909, 58.6842 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4216, 82.1909, 58.6842 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, 185) }
```



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

```
.border{ border-color:rgb(157, 255, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4216, 82.1909, 58.6842 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, 185) }
```

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

```
.background{ background-color: rgb(157,  
255, 185) }
```

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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