

# Converting Colors

XYZ(57.8183, 79.3528, 49.4623)

Have a look what the booklet for  
XYZ(57.8183, 79.3528, 49.4623)  
contains.

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# Color

**XYZ(57.7382, 79.2364,  
49.2968)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | ABF9A8                       |
| RGB         | 171, 249, 168                |
| RGB Percent | 67%, 98%, 66%                |
| CMY         | 0.3294, 0.0235, 0.3412       |
| CMYK        | 0.31, 0.00, 0.33, 0.02       |
| HSL         | 118°, 87%, 82%               |
| HSV         | 118°, 33%, 98%               |
| XYZ         | 57.7382, 79.2364, 49.2968    |
| YIQ         | 216.4440, -20.4870, -41.7270 |

# Conversions

## Conversions Part 2

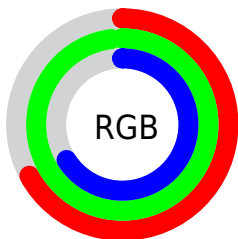
| Format                              | Color                                            |
|-------------------------------------|--------------------------------------------------|
| <a href="#">RYB</a>                 | <a href="#">168, 249, 246</a>                    |
| Decimal                             | <a href="#">11270568</a>                         |
| CIELab                              | <a href="#">91.34, -39.22, 31.50</a>             |
| CIElCh                              | <a href="#">91, 50.301, 141.231</a>              |
| Yxy                                 | <a href="#">79.2364, 0.3100,<br/>0.4254</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4289460648<br/>(0xFFABF9A8)</a>      |
| YUV                                 | <a href="#">216.4440, -23.8829,<br/>-39.8544</a> |
| Hunter-Lab                          | <a href="#">89.0148, -39.9945,<br/>29.4753</a>   |

# Details

The XYZ color **57.7382, 79.2364, 49.2968** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.1108, 54.4399, 96.4920**, and the grayscale version is **65.7428, 69.1665, 75.3224**.

A 20% lighter version of the original color is **81.2095, 93.3958, 84.2680**, and **29.1466, 42.6501, 22.9158** is the 20% darker color. If you saturate the color by 10%, you get **50.8796, 75.9458, 38.0045**, and if you desaturate by 10%, it is **65.9926, 83.1998, 62.9763**.

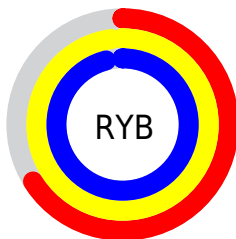
# Distribution



Red (67%)

Green (98%)

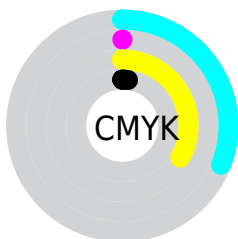
Blue (66%)



Red (66%)

Yellow (98%)

Blue (96%)

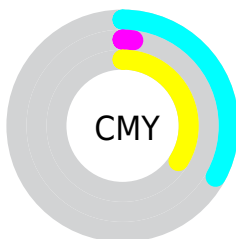


Cyan (31%)

Magenta (0%)

Yellow (33%)

Black (2%)



Cyan (33%)

Magenta (2%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7382, 79.2364, 49.2968 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 57.7382, 79.2364, 49.2968 by changing the saturation by 10% instead.



57.7382, 79.2364,  
49.2968

57.7382, 79.2364,  
49.2968

406.1793,  
492.3557, 400.5656

41.8407, 59.0902,  
34.4877

100.6667,  
132.2916, 90.5177

29.1671, 42.6857,  
22.9881

128.4283,  
165.9694, 117.7665

19.3522, 29.6386,  
14.3795

160.8754,  
204.9265, 149.9990

12.0305, 19.5644,  
8.2433

198.3732,  
249.5474, 187.6338

6.8368, 12.0788,  
4.1611

241.2872,  
300.2163, 231.0892

3.4057, 6.7974,  
1.7141


289.9826,


1.3718, 3.3357,


357.3177, 280.7840


0.3704


344.8249,  
421.2361, 337.1366


 0.2360, 1.3094,  
0.0000


 0.0000, 0.1485,  
0.0000


 57.7382, 79.2364,  
49.2968


 57.7382, 79.2364,  
49.2968


 50.8796, 75.9458,  
38.0045


 65.9926, 83.1998,  
62.9763


 45.3339, 73.2814,  
28.9578

 75.7074, 87.8597,  
79.1633

 41.0191, 71.2064,  
22.0082

 86.9507, 93.2511,  
97.9763

 37.8413, 69.6761,  
16.9875

 93.1672, 96.2344,  
108.2724

■ 35.6932, 68.6392,  
13.7013

■ 34.4468, 68.0349,  
11.9148

■ 33.9926, 67.8139,  
11.2978

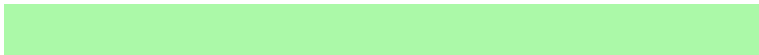
# Harmonies

## Analogous

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



66.7625, 79.2364, 35.9125



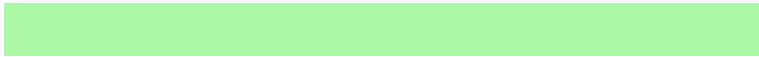
57.7382, 79.2364, 49.2968



53.5510, 79.2364, 75.9886

# Triad

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



57.7382, 79.2364, 49.2968



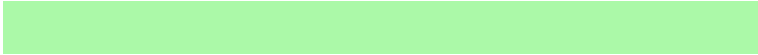
71.6288, 79.2364, 176.1462



100.6062, 79.2364, 63.2257

# Complementary

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



57.7382, 79.2364, 49.2968



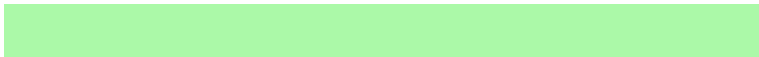
69.1108, 54.4399, 96.4920

# 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.



102.2893, 79.2364, 97.4501



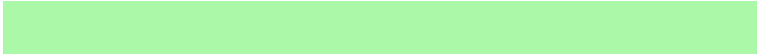
57.7382, 79.2364, 49.2968



84.5615, 79.2364, 169.8619

# Square

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



57.7382, 79.2364, 49.2968



60.9542, 79.2364, 153.5658



96.1321, 79.2364, 138.2469

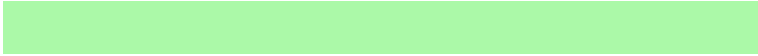


91.7636, 79.2364, 42.2294



# Rectangle

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



57.7382, 79.2364, 49.2968



53.6971, 79.2364, 100.7138



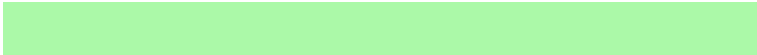
96.1321, 79.2364, 138.2469



102.0648, 79.2364, 73.2866

# Sweetspot

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



57.7402, 79.2398, 49.2986



82.7486, 94.1017, 88.2974



78.7755, 88.2454, 49.9281



17.3699, 19.9778, 18.3283



0.0000, 0.0000, 0.0000

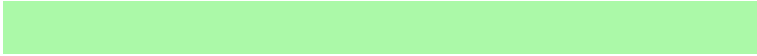


20.3446, 21.4041, 23.3091

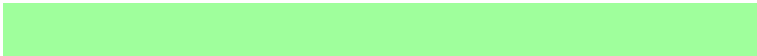


# Same Dimension

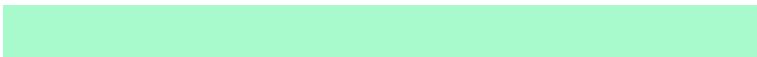
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.7402, 79.2398, 49.2986



56.0669, 81.2998, 43.9905



60.9798, 80.4609, 69.7289



17.0768, 19.3398, 18.2953



18.2206, 36.3113, 6.0485



1.7078, 3.3735, 0.5611



# Inverse Universe

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



69.1108, 54.4399, 96.4920



69.7614, 51.4145, 100.8549



65.0254, 52.9283, 69.4432



17.9258, 17.4899, 21.8164



28.3766, 13.5713, 49.0975

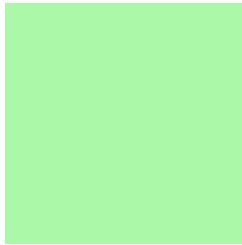


2.6474, 1.2669, 4.5482



# Previews

## White Background



This preview shows how the XYZ color 57.7382, 79.2364, 49.2968 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 57.7382, 79.2364, 49.2968 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

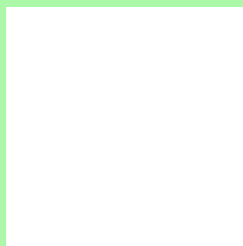
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.7382, 79.2364, 49.2968**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7382, 79.2364, 49.2968.



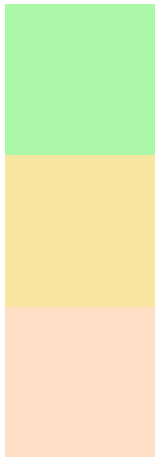
This preview shows how white text looks on a background with the XYZ color 57.7382, 79.2364,

49.2968.

# 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

57.7382, 79.2364, 49.2968

### Protanopia

72.9887, 78.4983, 44.1057

### Deuteranopia

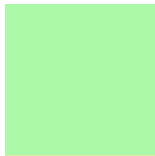
77.8207, 78.1126, 64.4017



## Tritanopia

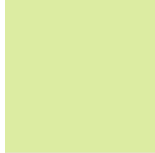
69.8200, 78.8647, 106.1503

# Trichromacy



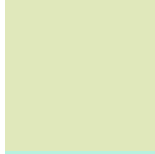
## Original Color

57.7382, 79.2364, 49.2968



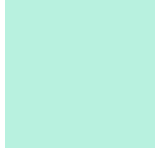
## Protanomaly

66.0322, 77.8152, 45.7220



## Deuteranomaly

68.5667, 77.1484, 58.2910



## Tritanomaly

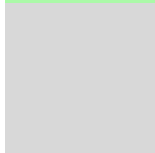
64.5417, 78.4287, 81.5486

# Monochromacy



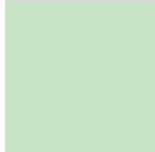
## Original Color

57.7382, 79.2364, 49.2968



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

61.8716, 71.8897, 64.6479

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7382, 79.2364, 49.2968 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(171, 249, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 249, 168)  
}
```

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(171, 249, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 249, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7382, 79.2364, 49.2968 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(171, 249, 168) }
```



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

```
.border{ border-color:rgb(171, 249, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 249, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 249, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 249, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 249,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7382, 79.2364, 49.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 249, 168) }
```

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

```
.background{ background-color: rgb(171,  
249, 168) }
```

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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