

# Converting Colors

XYZ(59.9179, 82.3648, 49.0749)

Have a look what the booklet for  
XYZ(59.9179, 82.3648, 49.0749)  
contains.

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# Color

**XYZ(59.7795, 82.1545,  
49.2659)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFFDA7
RGB	175, 253, 167
RGB Percent	69%, 99%, 65%
CMY	0.3137, 0.0078, 0.3451
CMYK	0.31, 0.00, 0.34, 0.01
HSL	114°, 96%, 82%
HSV	114°, 34%, 99%
XYZ	59.7795, 82.1545, 49.2659
YIQ	219.8740, -18.8820, -43.2820

# Conversions

## Conversions Part 2

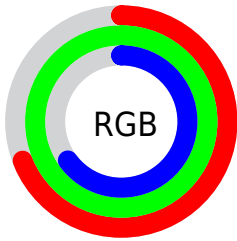
Format	Color
<b>RYB</b>	167, 253, 245
Decimal	11533735
CIELab	92.64, -39.90, 33.77
CIELCh	93, 52.273, 139.751
Yxy	82.1545, 0.3127, 0.4297
Android (android.graphics.Color)	4289723815 (0xFFAFFDA7)
YUV	219.8740, -26.0669, -39.3545
Hunter-Lab	90.6391, -40.8918, 31.2210

# Details

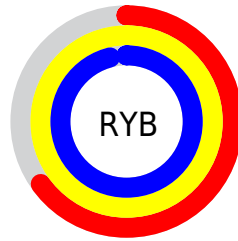
The XYZ color **59.7795, 82.1545, 49.2659** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.2082, 54.1442, 99.7360**, and the grayscale version is **68.1269, 71.6748, 78.0538**.

A 20% lighter version of the original color is **82.3580, 94.0035, 83.6158**, and **30.5229, 44.6878, 22.9365** is the 20% darker color. If you saturate the color by 10%, you get **52.9459, 78.8784, 37.9086**, and if you desaturate by 10%, it is **67.9501, 86.0718, 63.0776**.

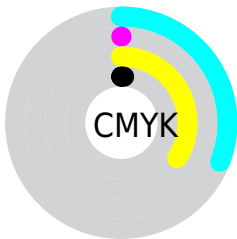
# Distribution



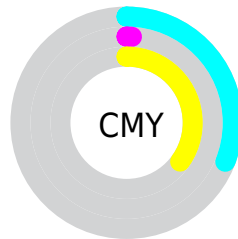
- Red (69%)
- Green (99%)
- Blue (65%)



- Red (65%)
- Yellow (99%)
- Blue (96%)



- Cyan (31%)
- Magenta (0%)
- Yellow (34%)
- Black (1%)



- Cyan (31%)
- Magenta (1%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7795, 82.1545, 49.2659 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 59.7795, 82.1545, 49.2659 by changing the saturation by 10% instead.



59.7795, 82.1545,  
49.2659

59.7795, 82.1545,  
49.2659

413.6323,  
502.1643, 400.4407

43.4897, 61.4929,  
34.4634

103.6179,  
136.3906, 90.4713

30.4657, 44.6231,  
22.9696

131.8972,  
170.7340, 117.7113

20.3422, 31.1606,  
14.3659

164.9038,  
210.4067, 149.9341

12.7537, 20.7212,  
8.2340

203.0029,  
255.7931, 187.5584

7.3350, 12.9204,  
4.1551

246.5600,  
307.2777, 231.0027

3.7207, 7.3737,  
1.7108


295.9403,


1.5454, 3.6969,


365.2448, 280.6855


0.3681


351.5093,  
430.0789, 337.0253


 0.3564, 1.5055,  
0.0000


 0.0000, 0.2926,  
0.0000


 59.7795, 82.1545,  
49.2659


 59.7795, 82.1545,  
49.2659


 52.9459, 78.8784,  
37.9086


 67.9501, 86.0718,  
63.0776


 47.3721, 76.1995,  
28.8569

 77.5171, 90.6509,  
79.4698

 42.9823, 74.0848,  
21.9548

 88.5440, 95.9242,  
98.5666

 39.6903, 72.4934,  
17.0242

 94.4169, 98.7338,  
108.6890

■ 37.3979, 71.3793,  
13.8589

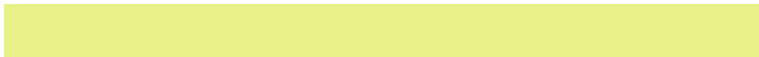
■ 35.9889, 70.6880,  
12.2068

■ 35.4925, 70.4423,  
11.7261

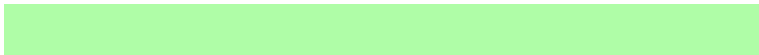
# Harmonies

## Analogous

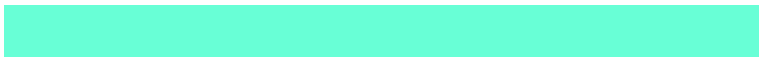
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5780, 82.1545, 35.8607



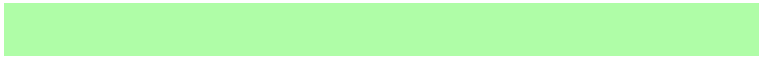
59.7795, 82.1545, 49.2659



55.0767, 82.1545, 76.7782

# Triad

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



59.7795, 82.1545, 49.2659



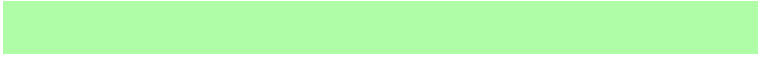
73.5245, 82.1545, 185.2353



105.3721, 82.1545, 66.4567

# Complementary

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



59.7795, 82.1545, 49.2659



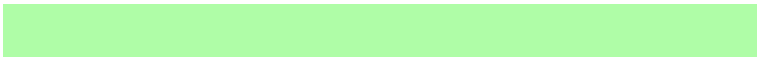
69.2082, 54.1442, 99.7360

# 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.



106.7470, 82.1545, 103.4497



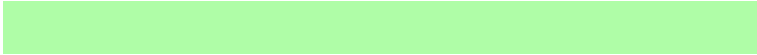
59.7795, 82.1545, 49.2659



87.2594, 82.1545, 180.0680

# Square

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



59.7795, 82.1545, 49.2659



62.3795, 82.1545, 159.6490



99.7920, 82.1545, 147.0874

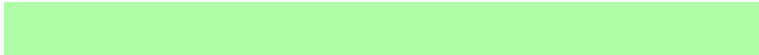


96.2283, 82.1545, 43.6041



# Rectangle

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



59.7795, 82.1545, 49.2659



55.0454, 82.1545, 102.7447



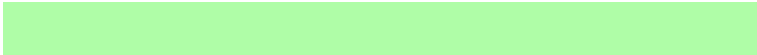
99.7920, 82.1545, 147.0874



106.7957, 82.1545, 77.3588

# Sweetspot

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



59.7816, 82.1580, 49.2677



83.2098, 94.3394, 88.3190



79.9578, 88.6190, 49.4514



17.4804, 20.0347, 18.3335



0.0000, 0.0000, 0.0000

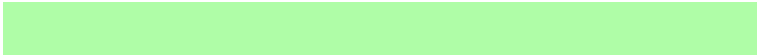


20.3446, 21.4041, 23.3091

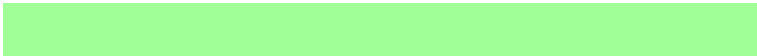


# Same Dimension

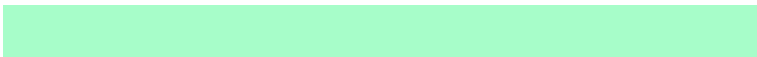
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7816, 82.1580, 49.2677



55.8332, 81.2280, 41.7804



61.6540, 82.7056, 68.2219



17.9282, 20.2489, 19.1078



18.9309, 37.4973, 6.2399



1.8935, 3.6769, 0.6099



# Inverse Universe

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



69.2082, 54.1442, 99.7360



66.7811, 48.6389, 100.4762



67.0632, 53.6156, 73.5591



18.6163, 18.2094, 22.7835



26.7678, 12.7098, 50.4770

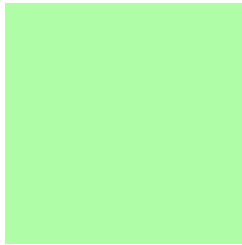


2.6529, 1.2615, 4.9169



# Previews

## White Background



This preview shows how the XYZ color 59.7795, 82.1545, 49.2659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

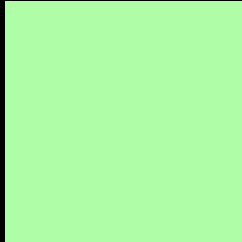
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.7795, 82.1545, 49.2659 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

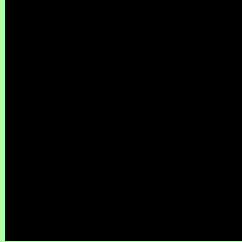
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

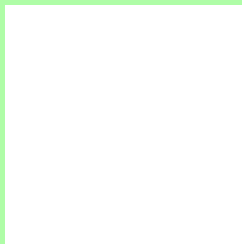
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.7795, 82.1545, 49.2659**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.7795, 82.1545, 49.2659.



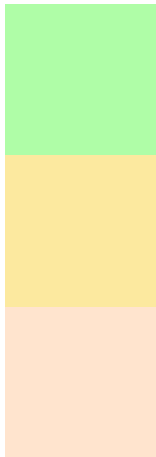
This preview shows how white text looks on a background with the XYZ color 59.7795, 82.1545,

49.2659.

# 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

59.7795, 82.1545, 49.2659

### Protanopia

75.5418, 81.4765, 44.5459

### Deuteranopia

80.1240, 81.2030, 69.8433



## Tritanopia

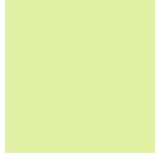
73.2975, 81.9577, 106.5640

# Trichromacy



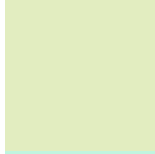
## Original Color

59.7795, 82.1545, 49.2659



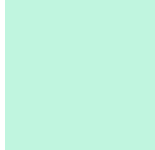
## Protanomaly

68.4221, 80.7761, 46.1675



## Deuteranomaly

71.1626, 80.5429, 61.6648



## Tritanomaly

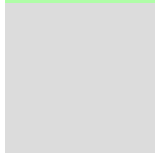
67.7099, 81.8390, 82.0399

# Monochromacy



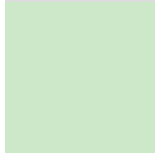
## Original Color

59.7795, 82.1545, 49.2659



## Achromatopsia

68.0267, 71.5694, 77.9390



## Achromatomaly

64.3011, 74.7676, 66.3009

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7795, 82.1545, 49.2659 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(175, 253, 167)` looks like.

```
.text, #text, p{  
    color:rgb(175, 253, 167)  
}
```

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(175, 253, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 253, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7795, 82.1545, 49.2659 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(175, 253, 167) }
```



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

```
.border{ border-color:rgb(175, 253, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 253, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 253, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 253, 167);  
box-shadow:4px 4px 4px 4px rgb(175, 253,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7795, 82.1545, 49.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 253, 167) }
```

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

```
.background{ background-color: rgb(175,  
253, 167) }
```

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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