

# Converting Colors

XYZ(58.9815, 79.3773, 54.0629)

Have a look what the booklet for  
XYZ(58.9815, 79.3773, 54.0629)  
contains.

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# Color

**XYZ(58.9588, 79.3078,  
53.7955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEF8B1
RGB	174, 248, 177
RGB Percent	68%, 97%, 69%
CMY	0.3176, 0.0274, 0.3059
CMYK	0.30, 0.00, 0.29, 0.03
HSL	122°, 84%, 83%
HSV	122°, 30%, 97%
XYZ	58.9588, 79.3078, 53.7955
YIQ	217.7800, -21.3130, -37.7690

# Conversions

## Conversions Part 2

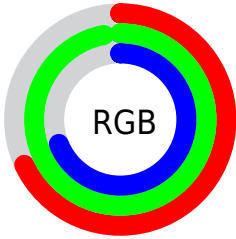
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 245, 248
Decimal	11466929
CIELab	91.37, -36.39, 27.02
CIELCh	91, 45.326, 143.412
Yxy	79.3078, 0.3070, 0.4129
Android (android.graphics.Color)	4289657009 (0xFFAEF8B1)
YUV	217.7800, -20.1045, -38.3951
Hunter-Lab	89.0549, -37.6702, 26.5231

# Details

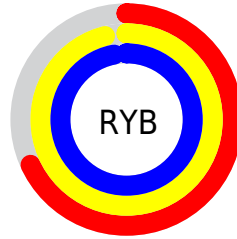
The XYZ color **58.9588, 79.3078, 53.7955** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70.3315, 56.8228, 93.6504**, and the grayscale version is **66.6354, 70.1056, 76.3450**.

A 20% lighter version of the original color is **83.4230, 94.3921, 90.9134**, and **29.8766, 42.6388, 25.7242** is the 20% darker color. If you saturate the color by 10%, you get **51.7670, 75.8531, 42.1397**, and if you desaturate by 10%, it is **67.5884, 83.4604, 67.6805**.

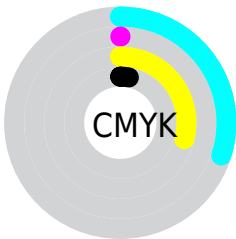
# Distribution



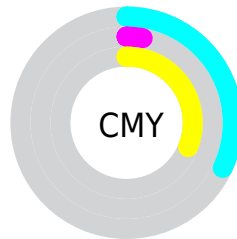
- Red (68%)
- Green (97%)
- Blue (69%)



- Red (68%)
- Yellow (96%)
- Blue (97%)



- Cyan (30%)
- Magenta (0%)
- Yellow (29%)
- Black (3%)



- Cyan (32%)
- Magenta (3%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9588, 79.3078, 53.7955 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 58.9588, 79.3078, 53.7955 by changing the saturation by 10% instead.



■ 58.9588, 79.3078,  
53.7955

■ 58.9588, 79.3078,  
53.7955

410.6457,  
492.5970, 418.4823

■ 42.8262, 59.1489,  
38.0461

■ 102.4328,  
132.3921, 97.2273

■ 29.9427, 42.7330,  
25.7164

130.5048,  
166.0863, 125.7468

■ 19.9430, 29.6757,  
16.3877

163.2874,  
205.0610, 159.3601

■ 12.4616, 19.5926,  
9.6416

201.1459,  
249.7008, 198.4857

■ 7.1333, 12.0992,  
5.0595

244.4456,  
300.3898, 243.5422

■ 3.5927, 6.8113,  
2.2229


293.5519,


■ 1.4744, 3.3444,


357.5126, 294.9481


0.6875


348.8302,  
421.4535, 353.1219


 0.3083, 1.3140,  
0.0000


 0.0000, 0.1520,  
0.0000

 58.9588, 79.3078,  
53.7955


 58.9588, 79.3078,  
53.7955


 51.7670, 75.8531,  
42.1397

 67.5884, 83.4604,  
67.6805


 45.9291, 73.0489,  
32.5922

 77.7213, 88.3357,  
83.8968

 41.3620, 70.8571,  
25.0286

 89.4267, 93.9694,  
102.5465

 37.9712, 69.2322,  
19.3093

 92.8590, 95.6179,  
108.1697

■ 35.6487, 68.1218,  
15.2767

■ 34.2669, 67.4640,  
12.7469

■ 33.6311, 67.1633,  
11.4911

■ 33.6241, 67.1599,  
11.4798

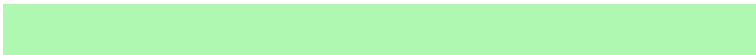
# Harmonies

## Analogous

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



66.9179, 79.3078, 40.2457



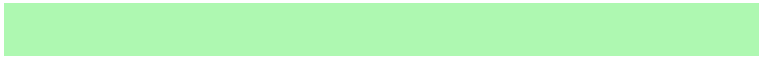
58.9588, 79.3078, 53.7955



55.4501, 79.3078, 79.2781

# Triad

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



58.9588, 79.3078, 53.7955



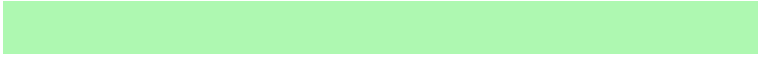
72.8672, 79.3078, 165.9279



97.5844, 79.3078, 63.5231

# Complementary

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



58.9588, 79.3078, 53.7955



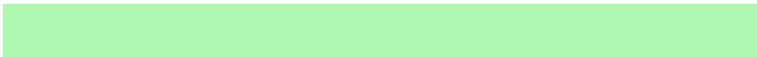
70.3315, 56.8228, 93.6504

# 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.



99.5900, 79.3078, 93.8361



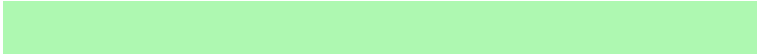
58.9588, 79.3078, 53.7955



84.5263, 79.3078, 158.6147

# Square

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



58.9588, 79.3078, 53.7955



62.9345, 79.3078, 147.9486



94.5973, 79.3078, 129.9445

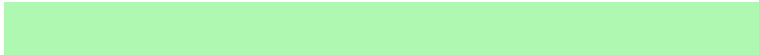


89.3661, 79.3078, 44.7805



# Rectangle

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



58.9588, 79.3078, 53.7955



55.8239, 79.3078, 101.9158



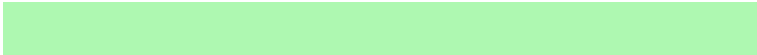
94.5973, 79.3078, 129.9445



99.0399, 79.3078, 72.4606

# Sweetspot

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



58.9609, 79.3111, 53.7973



83.7602, 94.5663, 90.9148



79.0533, 89.7034, 53.1930



17.5652, 20.0664, 18.8801



0.0000, 0.0000, 0.0000

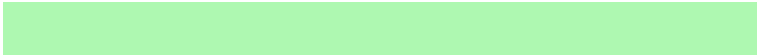


20.3446, 21.4041, 23.3091

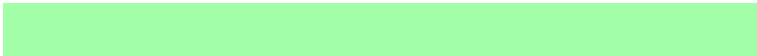


# Same Dimension

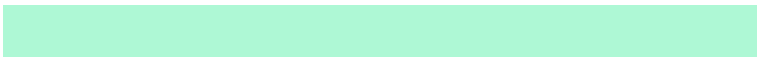
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.9609, 79.3111, 53.7973



57.8732, 82.1148, 49.3213



63.0948, 80.9647, 75.5663



17.0459, 19.3206, 18.4423



18.1751, 36.2830, 6.2651



1.6930, 3.3643, 0.6314



# Inverse Universe

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



70.3315, 56.8228, 93.6504



71.8291, 54.5080, 98.2314



65.3008, 54.8105, 67.1589



17.9608, 17.5117, 21.6496



29.2573, 14.1186, 44.9248

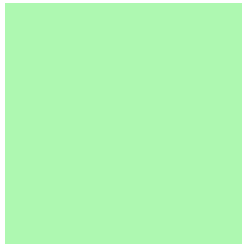


2.7189, 1.3113, 4.2093



# Previews

## White Background



This preview shows how the XYZ color 58.9588, 79.3078, 53.7955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

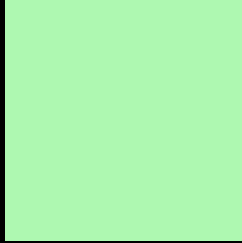
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9588, 79.3078, 53.7955 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

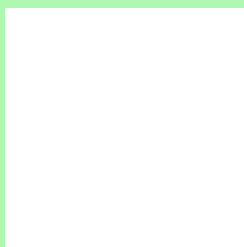
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.9588, 79.3078, 53.7955**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9588, 79.3078, 53.7955.



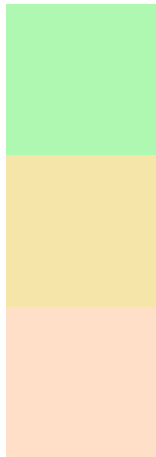
This preview shows how white text looks on a background with the XYZ color 58.9588, 79.3078,

53.7955.

# 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

58.9588, 79.3078, 53.7955

### Protanopia

73.1868, 78.4960, 48.8300

### Deuteranopia

78.0530, 78.2055, 65.6249



## **Tritanopia**

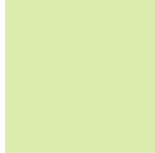
70.0724, 78.9948, 106.1621

# Trichromacy



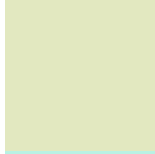
## Original Color

58.9588, 79.3078, 53.7955



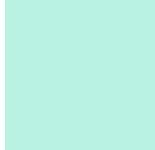
## Protanomaly

66.9570, 78.1851, 50.5919



## Deuteranomaly

69.7351, 77.6877, 61.1890



## Tritanomaly

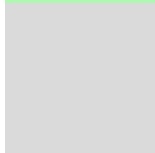
65.3280, 78.7709, 84.4342

# Monochromacy



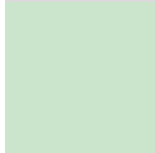
## Original Color

58.9588, 79.3078, 53.7955



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.1559, 72.9070, 67.2437

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9588, 79.3078, 53.7955 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(174, 248, 177)` looks like.

```
.text, #text, p{  
    color:rgb(174, 248, 177)  
}
```

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(174, 248, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 248, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9588, 79.3078, 53.7955 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(174, 248, 177) }
```



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

```
.border{ border-color:rgb(174, 248, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 248, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 248, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 248, 177); box-shadow:4px 4px 4px 4px rgb(174, 248, 177) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9588, 79.3078, 53.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 248, 177) }
```

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

```
.background{ background-color: rgb(174,  
248, 177) }
```

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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