

# Converting Colors

XYZ(77.6899, 119.8741,  
64.2472)

Have a look what the booklet for  
XYZ(77.6899, 119.8741, 64.2472)  
contains.

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# Color

**XYZ(59.1097, 82.5578,  
58.1672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1FFB8
RGB	161, 255, 184
RGB Percent	63%, 100%, 72%
CMY	0.3686, 0.0000, 0.2784
CMYK	0.37, 0.00, 0.28, 0.00
HSL	135°, 100%, 82%
HSV	135°, 37%, 100%
XYZ	59.1097, 82.5578, 58.1672
YIQ	218.8000, -33.2330, -42.0090

# Conversions

## Conversions Part 2

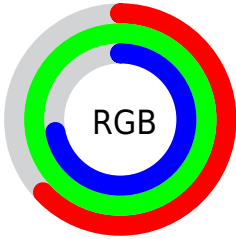
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 237, 255
Decimal	10616760
CIELab	92.82, -42.27, 25.34
CIELCh	93, 49.282, 149.057
Yxy	82.5578, 0.2958, 0.4131
Android (android.graphics.Color)	4288806840 (0xFFA1FFB8)
YUV	218.8000, -17.1564, -50.6906
Hunter-Lab	90.8613, -42.8844, 25.6469

# Details

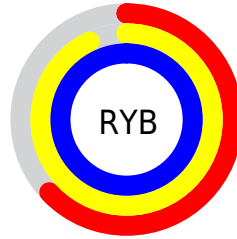
The XYZ color **59.1097, 82.5578, 58.1672** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.5506, 52.5765, 82.8788**, and the grayscale version is **67.3247, 70.8309, 77.1348**.

A 20% lighter version of the original color is **80.4016, 92.7167, 96.0966**, and **30.1165, 45.0301, 28.5771** is the 20% darker color. If you saturate the color by 10%, you get **52.6007, 79.4198, 48.0315**, and if you desaturate by 10%, it is **66.9427, 86.3464, 69.8024**.

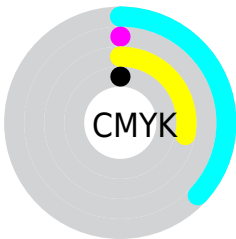
# Distribution



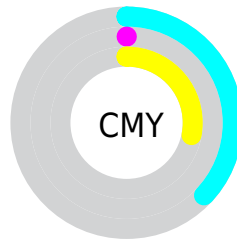
- Red (63%)
- Green (100%)
- Blue (72%)



- Red (63%)
- Yellow (93%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1097, 82.5578, 58.1672 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 59.1097, 82.5578, 58.1672 by changing the saturation by 10% instead.





 59.1097, 82.5578,  
58.1672


 59.1097, 82.5578,  
58.1672


411.1958,  
503.5116, 435.4243

 42.9481, 61.8254,  
41.5275


 102.6508,  
136.9560, 103.6835

 30.0388, 44.8917,  
28.4087


 130.7611,  
171.3905, 133.3971

 20.0162, 31.3721,  
18.3922


163.5849,  
211.1613, 168.3059

 12.5152, 20.8824,  
11.0596

201.4878,  
256.6526, 208.8282

 7.1702, 13.0380,  
5.9923

244.8349,  
308.2489, 255.3826

 3.6161, 7.4547,  
2.7717


293.9917,


 1.4873, 3.7481,


366.3346, 308.3878


0.9793


349.3236,  
431.2940, 368.2622


 0.3172, 1.5337,  
0.0000


 0.0000, 0.3122,  
0.0000


 59.1097, 82.5578,  
58.1672


 59.1097, 82.5578,  
58.1672


 52.6007, 79.4198,  
48.0315


 66.9427, 86.3464,  
69.8024

 47.3387, 76.8943,  
39.3302

 76.1669, 90.8193,  
82.9908

 43.2414, 74.9401,  
31.9994

 86.8473, 96.0088,  
97.7882

 40.2155, 73.5106,  
25.9685

95.0500, 100.0000,  
108.9000

■ 38.1524, 72.5513,  
21.1605

■ 36.9170, 71.9944,  
17.4901

■ 36.6404, 71.8722,  
16.5562

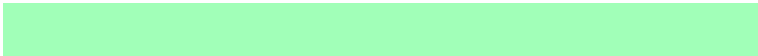
# Harmonies

## Analogous

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



67.0588, 82.5578, 41.1015



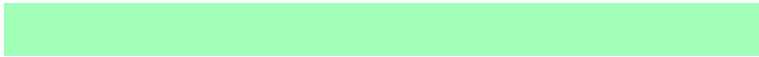
59.1097, 82.5578, 58.1672



56.2458, 82.5578, 88.7307

# Triad

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



59.1097, 82.5578, 58.1672



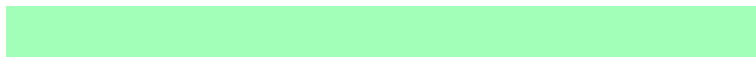
78.0624, 82.5578, 180.9449



102.1354, 82.5578, 59.6909

# Complementary

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



59.1097, 82.5578, 58.1672



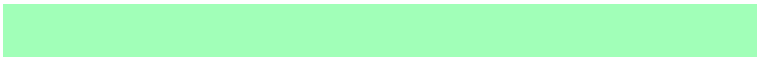
68.5506, 52.5765, 82.8788

# 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.



105.8875, 82.5578, 91.0622



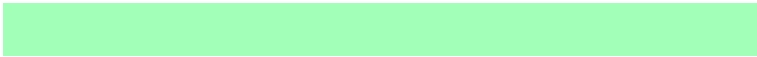
59.1097, 82.5578, 58.1672



91.1045, 82.5578, 167.1151

# Square

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



59.1097, 82.5578, 58.1672



66.4259, 82.5578, 165.3587



101.6509, 82.5578, 131.4538

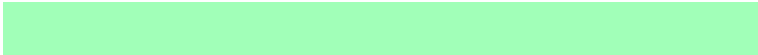


91.8856, 82.5578, 41.7973



# Rectangle

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



59.1097, 82.5578, 58.1672



57.3358, 82.5578, 115.0596



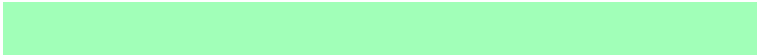
101.6509, 82.5578, 131.4538



104.2449, 82.5578, 68.6903

# Sweetspot

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



59.1103, 82.5580, 58.1685



82.2473, 93.7726, 91.4666



75.8194, 91.4282, 47.3703



17.2936, 19.9202, 19.1474



0.0000, 0.0000, 0.0000

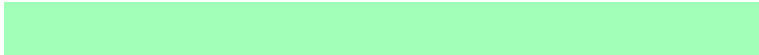


20.3446, 21.4041, 23.3091

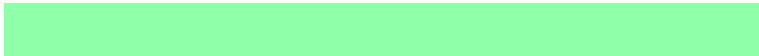


# Same Dimension

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



59.1103, 82.5580, 58.1685



54.3329, 80.2537, 50.7834



64.7319, 84.8067, 87.7718



17.9538, 20.2410, 20.0597



19.1944, 37.5743, 8.9088



1.9099, 3.6749, 1.0833



# Inverse Universe

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



68.5506, 52.5765, 82.8788



64.9730, 46.4212, 78.6043



62.8553, 50.2984, 52.8880



18.5915, 18.2199, 21.7320



26.6175, 13.1363, 27.7000

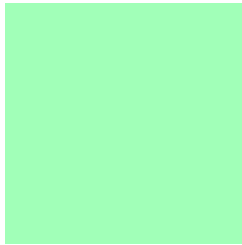


2.6348, 1.2963, 2.9240



# Previews

## White Background



This preview shows how the XYZ color 59.1097, 82.5578, 58.1672 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 59.1097, 82.5578, 58.1672 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 59.1097, 82.5578, 58.1672**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.1097, 82.5578, 58.1672.



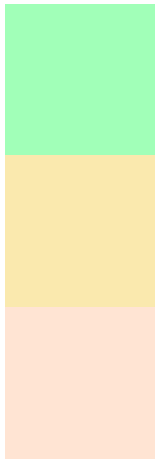
This preview shows how white text looks on a background with the XYZ color 59.1097, 82.5578,



# 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

59.1097, 82.5578, 58.1672

### Protanopia

76.2032, 81.6578, 51.7896

### Deuteranopia

80.7413, 81.4500, 73.0939



## Tritanopia

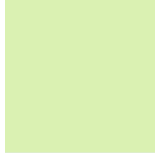
72.5313, 82.0009, 106.6127

# Trichromacy



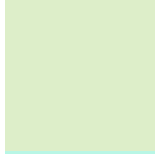
## Original Color

59.1097, 82.5578, 58.1672



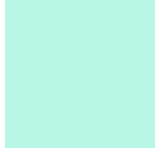
## Protanomaly

68.4046, 81.0304, 54.1546



## Deuteranomaly

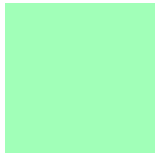
70.9359, 80.7383, 67.1037



## Tritanomaly

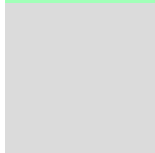
66.8658, 81.7590, 86.3856

# Monochromacy



## Original Color

59.1097, 82.5578, 58.1672



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

63.2859, 74.1752, 69.3742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1097, 82.5578, 58.1672 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(161, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 184)  
}
```

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(161, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1097, 82.5578, 58.1672 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(161, 255, 184) }
```



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

```
.border{ border-color:rgb(161, 255, 184) }
```

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

Here you see how a box with a 4 pixel rgb(161, 255, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1097, 82.5578, 58.1672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 184) }
```

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

```
.background{ background-color: rgb(161,  
255, 184) }
```

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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