

# Converting Colors

XYZ(59.2975, 82.4526, 67.3040)

Have a look what the booklet for  
XYZ(59.2975, 82.4526, 67.3040)  
contains.

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# Color

**XYZ(59.3222, 82.4624,  
67.4338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FFC8
RGB	153, 255, 200
RGB Percent	60%, 100%, 78%
CMY	0.4000, 0.0000, 0.2157
CMYK	0.40, 0.00, 0.22, 0.00
HSL	148°, 100%, 80%
HSV	148°, 40%, 100%
XYZ	59.3222, 82.4624, 67.4338
YIQ	218.2320, -43.1370, -38.7290

# Conversions

## Conversions Part 2

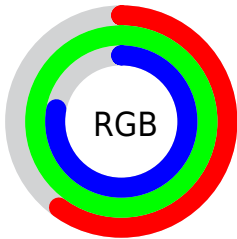
Format	Color
<a href="#">RYB</a>	<a href="#">153, 223, 255</a>
Decimal	<a href="#">10092488</a>
CIELab	<a href="#">92.78, -41.58, 17.07</a>
CIELCh	<a href="#">93, 44.944, 157.677</a>
Yxy	<a href="#">82.4624, 0.2835, 0.3941</a>
Android (android.graphics.Color)	<a href="#">4288282568 (0xFF99FFC8)</a>
YUV	<a href="#">218.2320, -8.9884, -57.2085</a>
Hunter-Lab	<a href="#">90.8088, -42.3076, 19.5380</a>

# Details

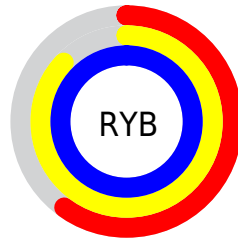
The XYZ color **59.3222, 82.4624, 67.4338** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.0169, 48.5974, 65.6809**, and the grayscale version is **66.8819, 70.3650, 76.6275**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **30.2063, 44.9503, 34.2784** is the 20% darker color. If you saturate the color by 10%, you get **53.4772, 79.6266, 59.1461**, and if you desaturate by 10%, it is **66.3416, 85.8869, 76.5336**.

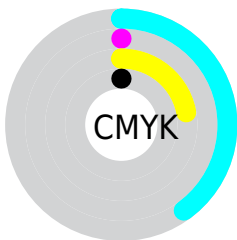
# Distribution



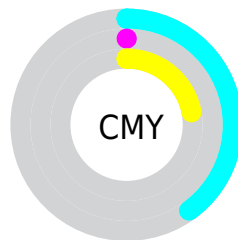
- Red (60%)
- Green (100%)
- Blue (78%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3222, 82.4624, 67.4338 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 59.3222, 82.4624, 67.4338 by changing the saturation by 10% instead.





 59.3222, 82.4624,  
67.4338


 59.3222, 82.4624,  
67.4338


411.9698,  
503.1931, 470.0308

 43.1199, 61.7468,  
48.9734

 102.9578,  
136.8223, 117.1883

 30.1741, 44.8281,  
34.2330


 131.1217,  
171.2353, 149.3196

 20.1195, 31.3220,  
22.7938


164.0036,  
210.9828, 186.8449

 12.5907, 20.8442,  
14.2375

201.9689,  
256.4494, 230.1827

 7.2224, 13.0102,  
8.1454

245.3827,  
308.0193, 279.7517

 3.6491, 7.4355,  
4.0990


294.6106,


 1.5056, 3.7360,


366.0769, 335.9704


1.6798


350.0178,  
431.0067, 399.2572

 0.3296, 1.5270,  
0.3468


 0.0000, 0.3076,  
0.0000


 59.3222, 82.4624,  
67.4338


 59.3222, 82.4624,  
67.4338

 53.4772, 79.6266,  
59.1461


 66.3416, 85.8869,  
76.5336

 48.7345, 77.3428,  
51.6434

 74.5970, 89.9315,  
86.4635

 45.0171, 75.5718,  
44.9027

 84.1485, 94.6267,  
97.2459

 42.2364, 74.2683,  
38.8984

95.0500, 100.0000,  
108.9000

■ 40.2873, 73.3787,  
33.6029

■ 39.0006, 72.8162,  
28.9846

■ 39.0005, 72.8162,  
28.9842

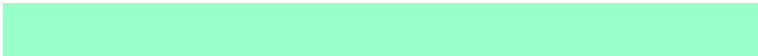
# Harmonies

## Analogous

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



65.3932, 82.4624, 47.7755



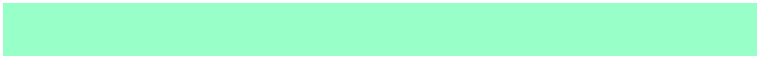
59.3222, 82.4624, 67.4338



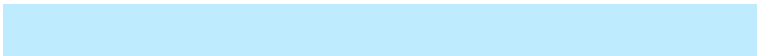
58.0957, 82.4624, 98.6901

# Triad

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



59.3222, 82.4624, 67.4338



81.4279, 82.4624, 170.1548



97.6046, 82.4624, 55.8302

# Complementary

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



59.3222, 82.4624, 67.4338



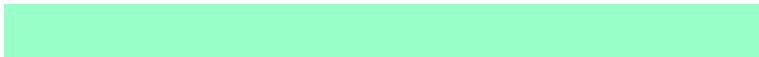
64.0169, 48.5974, 65.6809

# 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.



102.9043, 82.4624, 81.4371



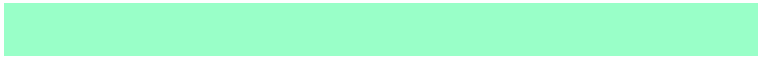
59.3222, 82.4624, 67.4338



92.9772, 82.4624, 151.1795

# Square

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



59.3222, 82.4624, 67.4338



70.1251, 82.4624, 163.7159



101.1315, 82.4624, 116.6045

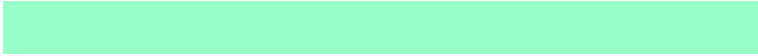


87.2544, 82.4624, 42.3338



# Rectangle

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



59.3222, 82.4624, 67.4338



60.0643, 82.4624, 123.2319



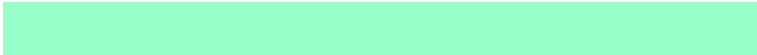
101.1315, 82.4624, 116.6045



100.0805, 82.4624, 63.0181

# Sweetspot

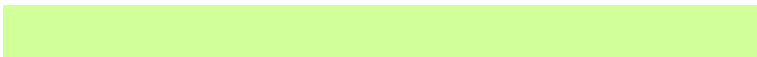
The Sweet Spot groups the original color and five complimentary colors.



59.3229, 82.4628, 67.4352



82.1308, 93.6338, 95.0192



67.8331, 87.3901, 43.4309



17.3036, 19.9059, 20.0309



0.0000, 0.0000, 0.0000

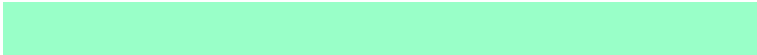


20.3446, 21.4041, 23.3091



# Same Dimension

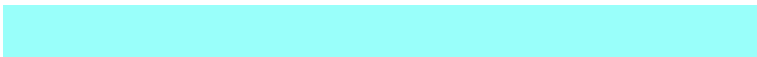
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.3229, 82.4628, 67.4352



54.5552, 80.1482, 60.7395



66.1370, 85.1884, 103.3176



18.1197, 20.3074, 20.9336



20.4521, 38.0774, 15.5318



2.0458, 3.7292, 1.7989



# Inverse Universe

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



64.0169, 48.5974, 65.6809



59.8352, 42.0307, 58.7481



58.8120, 46.5154, 38.2726



18.4190, 18.1509, 20.8234



24.0032, 12.0906, 13.9331

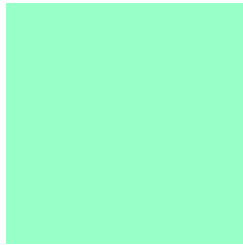


2.3923, 1.1993, 1.6472



# Previews

## White Background



This preview shows how the XYZ color 59.3222, 82.4624, 67.4338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

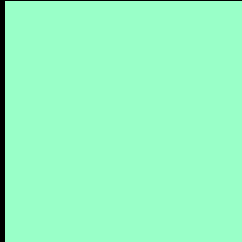
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3222, 82.4624, 67.4338 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 59.3222, 82.4624, 67.4338**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.3222, 82.4624, 67.4338.



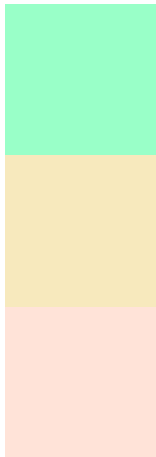
This preview shows how white text looks on a background with the XYZ color 59.3222, 82.4624,

67.4338.

# 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

59.3222, 82.4624, 67.4338

### Protanopia

76.6820, 81.7261, 59.8773

### Deuteranopia

81.1038, 81.1560, 76.3558



## **Tritanopia**

72.0503, 82.1936, 106.6752

# Trichromacy



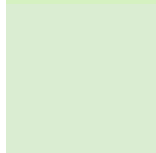
## Original Color

59.3222, 82.4624, 67.4338



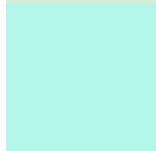
## Protanomaly

68.5215, 80.9070, 62.4572



## Deuteranomaly

70.8305, 80.1269, 72.7056



## Tritanomaly

66.8466, 82.1034, 90.9216

# Monochromacy



## Original Color

59.3222, 82.4624, 67.4338



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

62.5819, 73.3243, 72.4826

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3222, 82.4624, 67.4338 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(153, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 200)  
}
```

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(153, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3222, 82.4624, 67.4338 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(153, 255, 200) }
```



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

```
.border{ border-color:rgb(153, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3222, 82.4624, 67.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 200) }
```

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

```
.background{ background-color: rgb(153,  
255, 200) }
```

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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