

# Converting Colors

XYZ(59.3556, 82.8311, 51.5583)

Have a look what the booklet for  
XYZ(59.3556, 82.8311, 51.5583)  
contains.

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# Color

**XYZ(59.2591, 82.7851,  
51.3839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8FFAB
RGB	168, 255, 171
RGB Percent	66%, 100%, 67%
CMY	0.3412, 0.0000, 0.3294
CMYK	0.34, 0.00, 0.33, 0.00
HSL	122°, 100%, 83%
HSV	122°, 34%, 100%
XYZ	59.2591, 82.7851, 51.3839
YIQ	219.4110, -24.8880, -44.5680

# Conversions

## Conversions Part 2

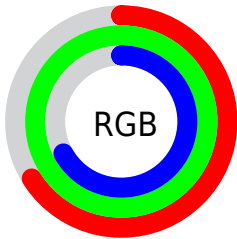
Format	Color
<a href="#">RYB</a>	<a href="#">168, 252, 255</a>
Decimal	<a href="#">11075499</a>
CIELab	<a href="#">92.92, -42.34, 32.08</a>
CIELCh	<a href="#">93, 53.121, 142.847</a>
Yxy	<a href="#">82.7851, 0.3064, 0.4280</a>
Android (android.graphics.Color)	<a href="#">4289265579 (0xFFA8FFAB)</a>
YUV	<a href="#">219.4110, -23.8666, -45.0874</a>
Hunter-Lab	<a href="#">90.9863, -42.9696, 30.2068</a>

# Details

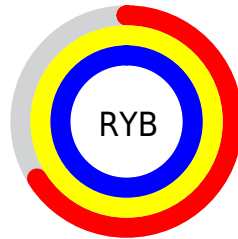
The XYZ color **59.2591, 82.7851, 51.3839** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72.8133, 56.2938, 99.1223**, and the grayscale version is **67.7901, 71.3205, 77.6680**.

A 20% lighter version of the original color is **80.6765, 93.0736, 86.3859**, and **30.1462, 45.1409, 24.2637** is the 20% darker color. If you saturate the color by 10%, you get **52.2196, 79.4024, 39.9243**, and if you desaturate by 10%, it is **67.8012, 86.8918, 65.1980**.

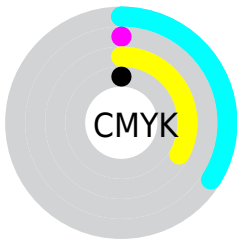
# Distribution



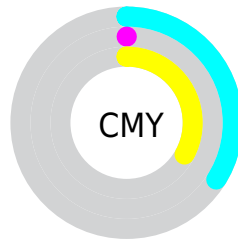
- Red (66%)
- Green (100%)
- Blue (67%)



- Red (66%)
- Yellow (99%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2591, 82.7851, 51.3839 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 59.2591, 82.7851, 51.3839 by changing the saturation by 10% instead.



■ 59.2591, 82.7851,  
51.3839

■ 59.2591, 82.7851,  
51.3839

411.7401,  
504.2700, 408.9425

■ 43.0689, 62.0129,  
36.1354

■ 102.8666,  
137.2744, 93.6393

■ 30.1339, 45.0431,  
24.2482

131.0147,  
171.7603, 121.4832

■ 20.0888, 31.4914,  
15.3040

163.8793,  
211.5863, 154.3628

■ 12.5683, 20.9733,  
8.8840

201.8260,  
257.1366, 192.6964

■ 7.2069, 13.1045,  
4.5698

245.2201,  
308.7958, 236.9026

■ 3.6393, 7.5005,  
1.9429

294.4269,

■ 1.5002, 3.7771,

366.9481, 287.4000

0.5198

349.8118,  
431.9781, 344.6071

■ 0.3259, 1.5496,  
0.0000

■ 0.0000, 0.3233,  
0.0000

■ 59.2591, 82.7851,  
51.3839

■ 59.2591, 82.7851,  
51.3839

■ 52.2196, 79.4024,  
39.9243

■ 67.8012, 86.8918,  
65.1980

■ 46.5944, 76.7012,  
30.6842

■ 77.9242, 91.7604,  
81.4835

■ 42.2882, 74.6354,  
23.5212

■ 89.7029, 97.4271,  
100.3542

■ 39.1936, 73.1530,  
18.2747

95.0500, 100.0000,  
108.9000

■ 37.1861, 72.1938,  
14.7605

■ 36.1145, 71.6846,  
12.7585

■ 35.8082, 71.5393,  
12.1738

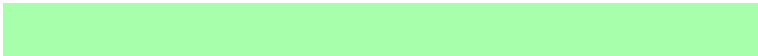
# Harmonies

## Analogous

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



68.7635, 82.7851, 36.4260



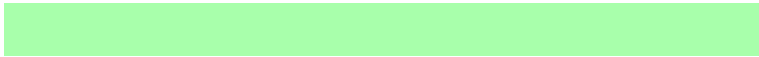
59.2591, 82.7851, 51.3839



55.0474, 82.7851, 80.9450

# Triad

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



59.2591, 82.7851, 51.3839



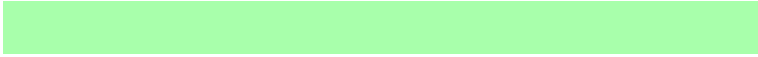
75.4054, 82.7851, 189.3313



105.9542, 82.7851, 63.5819

# Complementary

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



59.2591, 82.7851, 51.3839



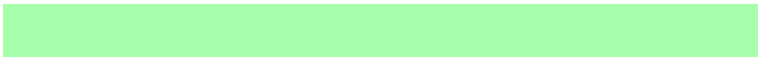
72.8133, 56.2938, 99.1223

# 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.



108.2725, 82.7851, 100.0039



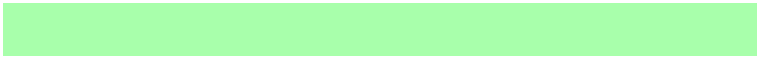
59.2591, 82.7851, 51.3839



89.5172, 82.7851, 180.6032

# Square

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



59.2591, 82.7851, 51.3839



63.6310, 82.7851, 165.8833



101.9499, 82.7851, 144.6789

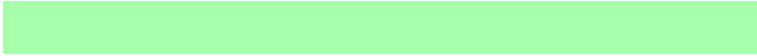


95.9432, 82.7851, 41.8846



# Rectangle

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



59.2591, 82.7851, 51.3839



55.4113, 82.7851, 108.2384



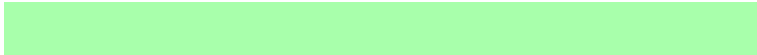
101.9499, 82.7851, 144.6789



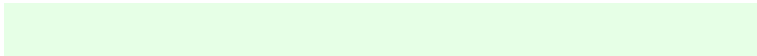
107.7036, 82.7851, 74.1787

# Sweetspot

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



59.2596, 82.7853, 51.3852



82.5692, 93.9949, 88.9338



83.0091, 95.0613, 51.0199



17.3270, 19.9522, 18.4805



0.0000, 0.0000, 0.0000

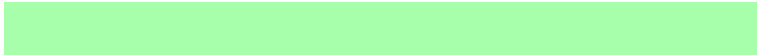


20.3446, 21.4041, 23.3091

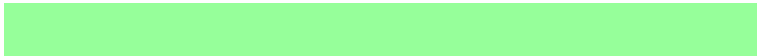


# Same Dimension

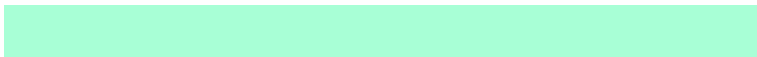
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.2596, 82.7853, 51.3852



54.2581, 80.3818, 43.2523



64.0975, 84.7205, 76.8612



17.7970, 20.1783, 19.2338



18.7215, 37.3852, 6.4188



1.8314, 3.6435, 0.6699



# Inverse Universe

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



72.8133, 56.2938, 99.1223



69.6929, 50.2064, 97.6095



66.7020, 53.8493, 66.9410



18.7640, 18.2889, 22.6404



30.2690, 14.5969, 46.9286

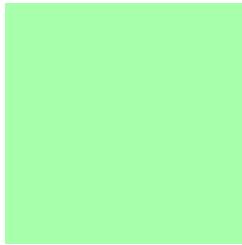


2.9553, 1.4245, 4.6122



# Previews

## White Background



This preview shows how the XYZ color 59.2591, 82.7851, 51.3839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

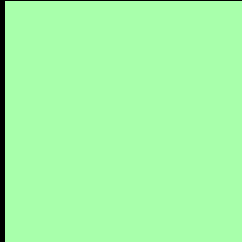
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2591, 82.7851, 51.3839 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 59.2591, 82.7851, 51.3839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2591, 82.7851, 51.3839.



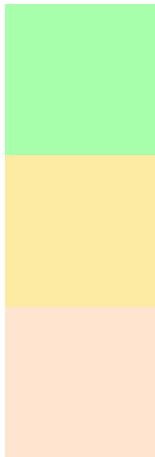
This preview shows how white text looks on a background with the XYZ color 59.2591, 82.7851,

51.3839.

# 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

59.2591, 82.7851, 51.3839

### Protanopia

75.8054, 81.5819, 45.9339

### Deuteranopia

80.6445, 81.8527, 71.2232



## Tritanopia

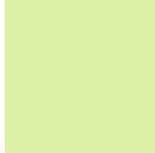
73.5927, 82.5481, 106.6624

# Trichromacy



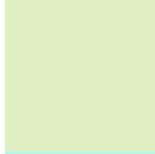
## Original Color

59.2591, 82.7851, 51.3839



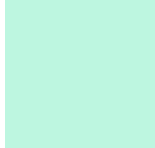
## Protanomaly

68.0656, 80.9994, 47.6443



## Deuteranomaly

70.8563, 80.7772, 63.4868



## Tritanomaly

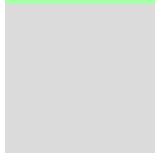
67.3966, 82.1122, 82.8181

# Monochromacy



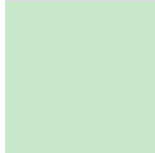
## Original Color

59.2591, 82.7851, 51.3839



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

63.3367, 74.2569, 66.8719

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2591, 82.7851, 51.3839 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(168, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 171)  
}
```

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(168, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2591, 82.7851, 51.3839 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(168, 255, 171) }
```



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

```
.border{ border-color:rgb(168, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2591, 82.7851, 51.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 171) }
```

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

```
.background{ background-color: rgb(168,  
255, 171) }
```

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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