

# Converting Colors

XYZ(67.9846, 100.0000,  
44.8312)

Have a look what the booklet for  
XYZ(67.9846, 100.0000, 44.8312)  
contains.

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# Color

**XYZ(59.4774, 83.1015,  
42.1836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1FF97
RGB	177, 255, 151
RGB Percent	69%, 100%, 59%
CMY	0.3059, 0.0000, 0.4078
CMYK	0.31, 0.00, 0.41, 0.00
HSL	105°, 100%, 80%
HSV	105°, 41%, 100%
XYZ	59.4774, 83.1015, 42.1836
YIQ	219.8220, -13.1040, -48.8800

# Conversions

## Conversions Part 2

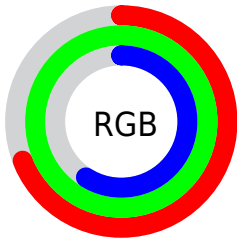
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">151, 255, 229</a>
Decimal	<a href="#">11665303</a>
CIELab	<a href="#">93.06, -42.41, 42.23</a>
CIELCh	<a href="#">93, 59.853, 135.122</a>
Yxy	<a href="#">83.1015, 0.3219, 0.4498</a>
Android (android.graphics.Color)	<a href="#">4289855383 (0xFFB1FF97)</a>
YUV	<a href="#">219.8220, -33.9292, -37.5549</a>
Hunter-Lab	<a href="#">91.1600, -43.0676, 36.3760</a>

# Details

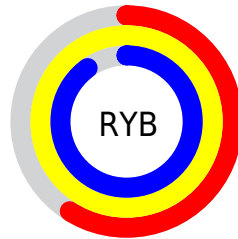
The XYZ color **59.4774, 83.1015, 42.1836** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.4309, 46.0126, 100.2513**, and the grayscale version is **68.1387, 71.6872, 78.0674**.

A 20% lighter version of the original color is **81.1615, 93.6384, 72.1889**, and **30.2838, 45.3350, 18.7097** is the 20% darker color. If you saturate the color by 10%, you get **53.5699, 80.2700, 32.2412**, and if you desaturate by 10%, it is **66.4441, 86.4272, 54.5159**.

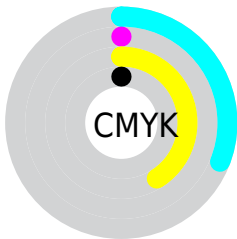
# Distribution



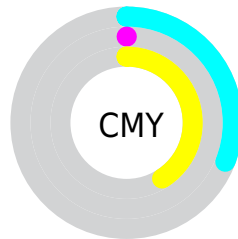
- Red (69%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (90%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4774, 83.1015, 42.1836 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 59.4774, 83.1015, 42.1836 by changing the saturation by 10% instead.





 59.4774, 83.1015,  
42.1836


 59.4774, 83.1015,  
42.1836


412.5345,  
505.3247, 371.0656

 43.2454, 62.2739,  
28.9184


 103.1819,  
137.7176, 79.7505

 30.2731, 45.2540,  
18.7741


 131.3850,  
172.2749, 104.8893

 20.1950, 31.6576,  
11.3320


164.3093,  
212.1775, 134.8231

 12.6460, 21.1001,  
6.1736

202.3200,  
257.8099, 169.9704

 7.2605, 13.1972,  
2.8805

245.7825,  
309.5564, 210.7498

 3.6733, 7.5645,  
1.0339

295.0622,

 1.5190, 3.8175,

367.8015, 257.5797

0.0000

350.5244,  
432.9294, 310.8788

■ 0.3387, 1.5720,  
0.0000

■ 0.0000, 0.3386,  
0.0000

■ 59.4774, 83.1015,  
42.1836

■ 59.4774, 83.1015,  
42.1836

■ 53.5699, 80.2700,  
32.2412

■ 66.4441, 86.4272,  
54.5159

■ 48.6661, 77.9076,  
24.5301

■ 74.5193, 90.2696,  
69.3752

■ 44.7068, 75.9875,  
18.8785

■ 83.7502, 94.6502,  
86.8928

■ 41.6254, 74.4797,  
15.0882

■ 94.1812, 99.5891,  
107.1898

■ 39.3452, 73.3498, 95.0500, 100.0000,  
12.9215 108.9000

■ 37.8579, 72.6015,  
12.0182

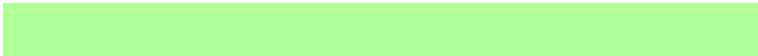
# Harmonies

## Analogous

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



71.3735, 83.1015, 30.0763



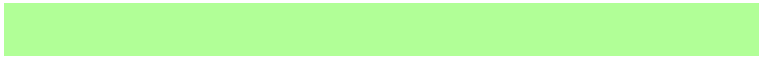
59.4774, 83.1015, 42.1836



53.2676, 83.1015, 70.0612

# Triad

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



59.4774, 83.1015, 42.1836



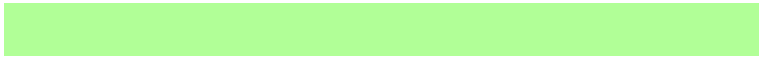
71.4892, 83.1015, 202.3173



111.8379, 83.1015, 69.7627

# Complementary

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



59.4774, 83.1015, 42.1836



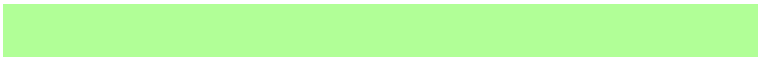
61.4309, 46.0126, 100.2513

# Split Complementary

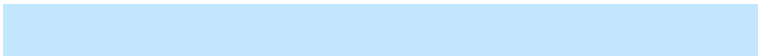
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.8797, 83.1015, 114.5322



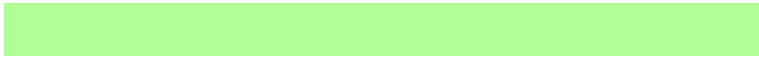
59.4774, 83.1015, 42.1836



87.1204, 83.1015, 202.1549

# Square

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



59.4774, 83.1015, 42.1836



59.5524, 83.1015, 166.5598



102.3513, 83.1015, 166.1703

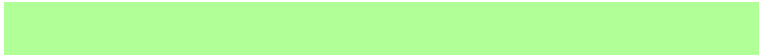


102.2436, 83.1015, 42.0277



# Rectangle

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



59.4774, 83.1015, 42.1836



52.5853, 83.1015, 98.4182



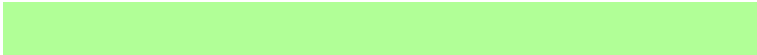
102.3513, 83.1015, 166.1703



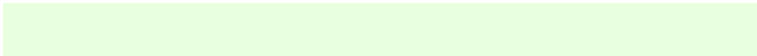
113.0073, 83.1015, 82.9869

# Sweetspot

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



59.4778, 83.1017, 42.1849



82.5637, 94.0876, 84.6149



74.8457, 79.5335, 40.6862



17.4036, 20.0113, 17.5974



0.0000, 0.0000, 0.0000

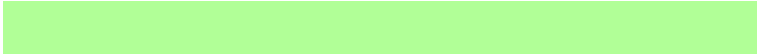


20.3446, 21.4041, 23.3091

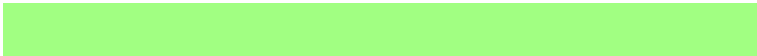


# Same Dimension

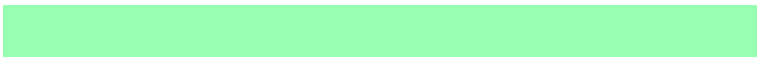
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.4778, 83.1017, 42.1849



54.5482, 80.7398, 33.8460



56.4591, 81.2740, 54.3079



18.1970, 20.3874, 19.1204



19.8953, 37.9945, 6.2851



2.0319, 3.7483, 0.6164



# Inverse Universe

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



61.4309, 46.0126, 100.2513



56.7068, 39.0082, 99.1483



66.4501, 49.0514, 80.0949



18.3232, 18.0583, 22.7698



20.8356, 9.6516, 50.1994

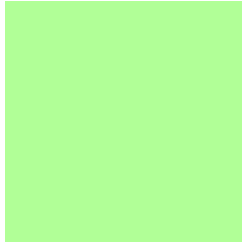


2.1285, 0.9912, 4.8924



# Previews

## White Background



This preview shows how the XYZ color 59.4774, 83.1015, 42.1836 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

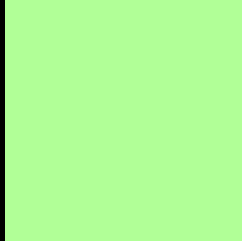
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4774, 83.1015, 42.1836 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

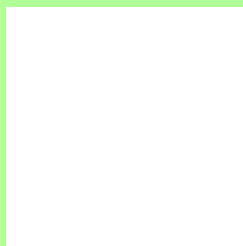
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.4774, 83.1015, 42.1836**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4774, 83.1015, 42.1836.



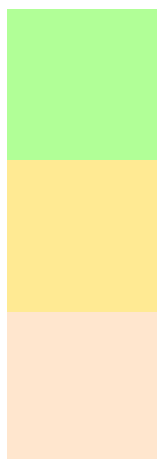
This preview shows how white text looks on a background with the XYZ color 59.4774, 83.1015,

42.1836.

# 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

59.4774, 83.1015, 42.1836

### Protanopia

75.9293, 82.2122, 39.4704

### Deuteranopia

80.6774, 82.3099, 70.0278



## **Tritanopia**

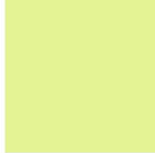
74.6637, 82.6620, 106.6279

# Trichromacy



## Original Color

59.4774, 83.1015, 42.1836



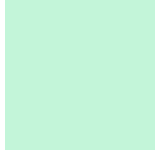
## Protanomaly

68.7760, 81.9733, 40.2145



## Deuteranomaly

71.4080, 81.6091, 58.4429



## Tritanomaly

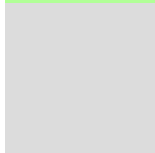
67.6825, 81.9167, 77.8899

# Monochromacy



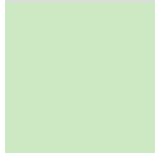
## Original Color

59.4774, 83.1015, 42.1836



## Achromatopsia

68.0267, 71.5694, 77.9390



## Achromatomaly

63.8911, 75.0553, 62.7495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4774, 83.1015, 42.1836 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(177, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 151)  
}
```

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(177, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4774, 83.1015, 42.1836 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".

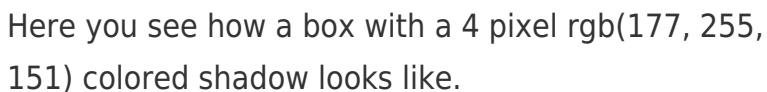
```
.border, #border, table{ border:4px solid rgb(177, 255, 151) }
```



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

```
.border{ border-color:rgb(177, 255, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 255, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 255, 151); box-shadow:4px 4px 4px 4px rgb(177, 255, 151) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4774, 83.1015, 42.1836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 151) }
```

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

```
.background{ background-color: rgb(177,  
255, 151) }
```

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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