

# Converting Colors

XYZ(69.0768, 83.4964, 59.4894)

Have a look what the booklet for  
XYZ(69.0768, 83.4964, 59.4894)  
contains.

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# Color

**XYZ(69.0768, 83.4964,  
59.4894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F6BB
RGB	212, 246, 187
RGB Percent	83%, 96%, 73%
CMY	0.1686, 0.0353, 0.2667
CMYK	0.14, 0.00, 0.24, 0.04
HSL	95°, 77%, 85%
HSV	95°, 24%, 96%
XYZ	69.0768, 83.4964, 59.4894
YIQ	229.1080, -1.3250, -25.5570

# Conversions

## Conversions Part 2

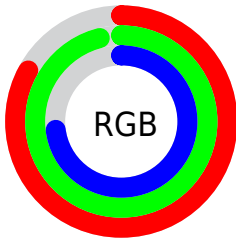
Format	Color
<a href="#">RYB</a>	<a href="#">187, 246, 221</a>
Decimal	<a href="#">13956795</a>
CIELab	<a href="#">93.23, -21.29, 24.83</a>
CIELCh	<a href="#">93, 32.703, 130.607</a>
Yxy	<a href="#">83.4964, 0.3257, 0.3937</a>
Android (android.graphics.Color)	<a href="#">4292146875</a> ( <a href="#">0xFFD4F6BB</a> )
YUV	<a href="#">229.1080, -20.7592, -15.0037</a>
Hunter-Lab	<a href="#">91.3764, -24.9699, 25.3635</a>

# Details

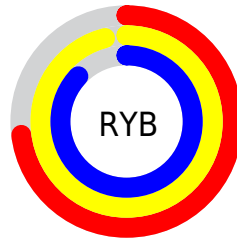
The XYZ color **69.0768, 83.4964, 59.4894** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.2270, 57.5689, 94.9200**, and the grayscale version is **74.7063, 78.5968, 85.5919**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **36.5517, 45.6885, 29.0826** is the 20% darker color. If you saturate the color by 10%, you get **62.7570, 80.5196, 46.6041**, and if you desaturate by 10%, it is **76.2111, 86.8460, 74.7711**.

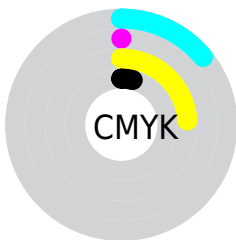
# Distribution



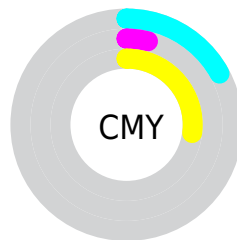
- Red (83%)
- Green (96%)
- Blue (73%)



- Red (73%)
- Yellow (96%)
- Blue (87%)



- Cyan (14%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)




- Cyan (17%)
- Magenta (4%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0768, 83.4964, 59.4894 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 69.0768, 83.4964, 59.4894 by changing the saturation by 10% instead.





 69.0768, 83.4964,  
59.4894

 69.0768, 83.4964,  
59.4894


446.6189,  
506.6394, 440.4654

 51.0511, 62.5997,  
42.5846


 116.9247,  
138.2705, 105.6247

 36.4705, 45.5175,  
29.2303


147.4777,  
172.9167, 135.6923

 24.9696, 31.8652,  
19.0081


182.9371,  
212.9149, 170.9847

 16.1830, 21.2586,  
11.4992

223.6684,  
258.6495, 211.9202

 9.7454, 13.3131,  
6.2853

270.0369,  
310.5048, 258.9175

 5.2915, 7.6445,  
2.9478

322.4079,

 2.4558, 3.8683,

368.8653, 312.3951

1.0680

381.1468,  
434.1154, 372.7716

■ 0.8730, 1.6002,  
0.0000

■ 0.0000, 0.3577,  
0.0000

■ 69.0768, 83.4964,  
59.4894

■ 69.0768, 83.4964,  
59.4894

■ 62.7570, 80.5196,  
46.6041

■ 76.2111, 86.8460,  
74.7711

■ 57.2129, 77.8907,  
35.9883

■ 84.1836, 90.5705,  
92.5567

■ 52.4122, 75.5985,  
27.5116

■ 92.0762, 94.3066,  
107.9578

■ 48.3172, 73.6268,  
21.0282

■ 92.2474, 94.3949,  
107.9658

■ 44.8865, 71.9576,  
16.3739

■ 42.0730, 70.5711,  
13.3584

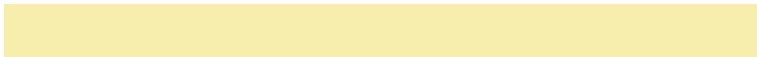
■ 39.8211, 69.4434,  
11.7496

■ 38.6930, 68.8716,  
11.2542

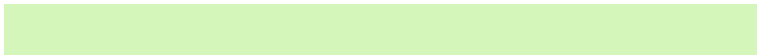
# Harmonies

## Analogous

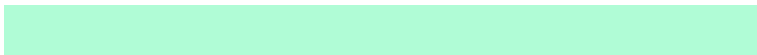
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3557, 83.4964, 51.8555



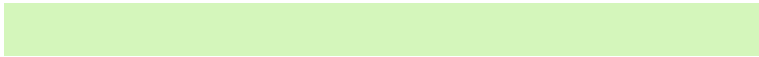
69.0768, 83.4964, 59.4894



64.7619, 83.4964, 76.0767

# Triad

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



69.0768, 83.4964, 59.4894



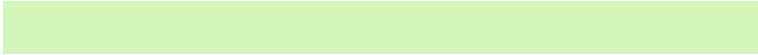
73.9954, 83.4964, 143.3035



96.7501, 83.4964, 82.4715

# Complementary

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



69.0768, 83.4964, 59.4894



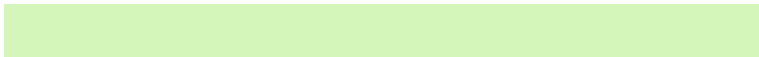
64.2270, 57.5689, 94.9200

# Split Complementary

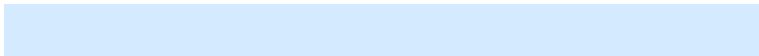
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0038, 83.4964, 107.5636



69.0768, 83.4964, 59.4894



82.4438, 83.4964, 145.8620

# Square

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



69.0768, 83.4964, 59.4894



67.4565, 83.4964, 125.3537



90.6180, 83.4964, 131.8176

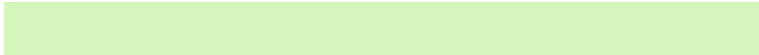


92.5892, 83.4964, 63.4408

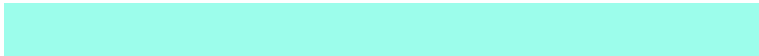


# Rectangle

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



69.0768, 83.4964, 59.4894



63.9468, 83.4964, 91.4159



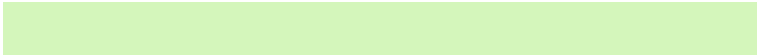
90.6180, 83.4964, 131.8176



97.0719, 83.4964, 90.4128

# Sweetspot

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



69.0790, 83.5000, 59.4912



88.6240, 97.0041, 94.2884



72.6860, 74.5981, 57.5829



18.8552, 20.7096, 19.9258



0.0000, 0.0000, 0.0000

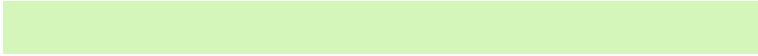


20.3446, 21.4041, 23.3091

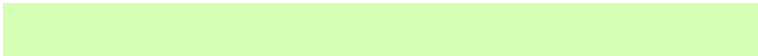


# Same Dimension

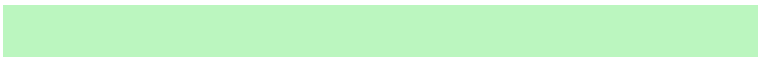
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0790, 83.5000, 59.4912



71.3671, 88.9121, 57.1433



62.8484, 80.2387, 61.4283



16.9478, 18.8151, 17.5360



20.8041, 36.8377, 6.0139



1.9432, 3.2968, 0.5339



# Inverse Universe

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



64.2270, 57.5689, 94.9200



65.2219, 56.0825, 101.9952



71.8166, 61.5505, 92.1563



16.4958, 16.3983, 20.8383



14.9761, 6.6948, 47.0409

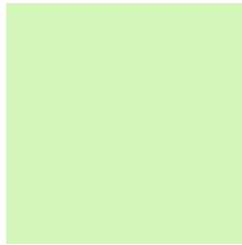


1.4335, 0.6489, 4.1399



# Previews

## White Background



This preview shows how the XYZ color 69.0768, 83.4964, 59.4894 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 69.0768, 83.4964, 59.4894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

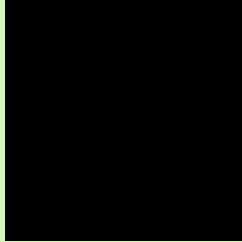
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

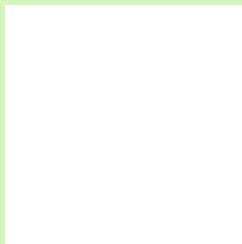
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.0768, 83.4964, 59.4894

## Background



This preview shows how black text looks on a background with the XYZ color 69.0768, 83.4964, 59.4894.



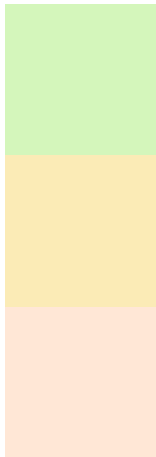
This preview shows how white text looks on a background with the XYZ color 69.0768, 83.4964,

59.4894.

# 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

69.0768, 83.4964, 59.4894

### Protanopia

77.9355, 83.3033, 56.2275

### Deuteranopia

81.9535, 83.2669, 75.3710



## Tritanopia

78.7656, 83.4763, 106.5689

# Trichromacy



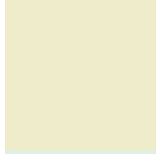
## Original Color

69.0768, 83.4964, 59.4894



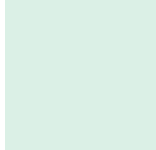
## Protanomaly

74.4433, 83.1982, 57.4827



## Deuteranomaly

76.4911, 82.7013, 69.0582



## Tritanomaly

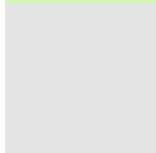
74.6564, 83.0934, 86.9667

# Monochromacy



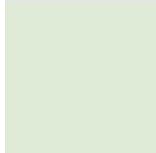
## Original Color

69.0768, 83.4964, 59.4894



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

72.2774, 79.9597, 75.2427

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0768, 83.4964, 59.4894 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(212, 246, 187)` looks like.

```
.text, #text, p{  
    color:rgb(212, 246, 187)  
}
```

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(212, 246, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 246, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0768, 83.4964, 59.4894 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(212, 246, 187) }
```



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

```
.border{ border-color:rgb(212, 246, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 246, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 246, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 246, 187);  
box-shadow:4px 4px 4px 4px rgb(212, 246,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0768, 83.4964, 59.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 246, 187) }
```

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

```
.background{ background-color: rgb(212,  
246, 187) }
```

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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