

# Converting Colors

XYZ(102.2184, 134.6250,  
65.7962)

Have a look what the booklet for  
XYZ(102.2184, 134.6250, 65.7962)  
contains.

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# Color

**XYZ(82.0679, 94.3932,  
59.2417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFB8
RGB	245, 255, 184
RGB Percent	96%, 100%, 72%
CMY	0.0392, 0.0000, 0.2784
CMYK	0.04, 0.00, 0.28, 0.00
HSL	68°, 100%, 86%
HSV	68°, 28%, 100%
XYZ	82.0679, 94.3932, 59.2417
YIQ	243.9160, 16.8310, -24.2010

# Conversions

## Conversions Part 2

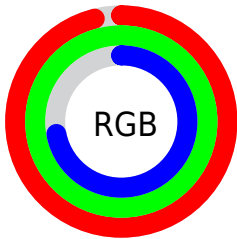
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 255, 194
Decimal	16121784
CIELab	97.79, -14.36, 32.92
CIELCh	98, 35.910, 113.565
Yxy	94.3932, 0.3482, 0.4005
Android (android.graphics.Color)	4294311864 (0xFFFF5FFB8)
YUV	243.9160, -29.5386, 0.9507
Hunter-Lab	97.1562, -19.2442, 31.8568

# Details

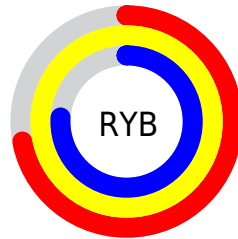
The XYZ color **82.0679, 94.3932, 59.2417** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.4397, 52.9716, 101.8049**, and the grayscale version is **86.1404, 90.6264, 98.6921**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **44.9624, 52.6912, 28.9197** is the 20% darker color. If you saturate the color by 10%, you get **78.3902, 92.7787, 46.3515**, and if you desaturate by 10%, it is **86.2525, 96.2132, 74.6733**.

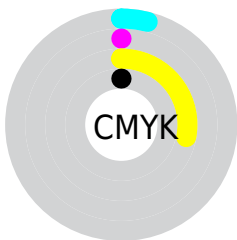
# Distribution



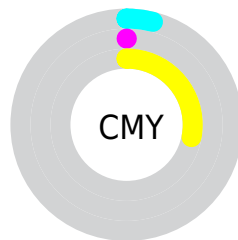
- Red (96%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (76%)



- Cyan (4%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0679, 94.3932, 59.2417 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 82.0679, 94.3932, 59.2417 by changing the saturation by 10% instead.





 82.0679, 94.3932,  
59.2417

 82.0679, 94.3932,  
59.2417


490.5058,  
542.2205, 439.5238

 61.7358, 71.6300,  
42.3864

 135.2045,  
153.4260, 105.2614

 45.0740, 52.8565,  
29.0762

168.7398,  
190.4645, 135.2630

 31.7173, 37.6882,  
18.8924


207.4068,  
233.0301, 170.4837

 21.3001, 25.7408,  
11.4165

251.5710,  
281.5074, 211.3421

 13.4573, 16.6298,  
6.2300

301.5976,  
336.2807, 258.2568

 7.8233, 9.9709,  
2.9144

357.8520,

 4.0330, 5.3797,

397.7344, 311.6463

1.0511

420.6997,  
466.2529, 371.9291

■ 1.7208, 2.4717,  
0.0000

■ 0.4692, 0.8624,  
0.0000

■ 82.0679, 94.3932,  
59.2417

■ 82.0679, 94.3932,  
59.2417

■ 78.3902, 92.7787,  
46.3515

■ 86.2525, 96.2132,  
74.6733

■ 75.1923, 91.3590,  
35.8622

■ 90.9671, 98.2480,  
92.7684

■ 72.4462, 90.1228,  
27.6260

95.0500, 100.0000,  
108.9000

■ 70.1201, 89.0573,  
21.4772

■ 68.1781, 88.1483,  
17.2271

■ 66.5779, 87.3786,  
14.6532

■ 65.2628, 86.7257,  
13.4580

■ 64.9988, 86.5931,  
13.2884

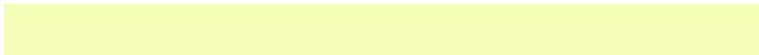
# Harmonies

## Analogous

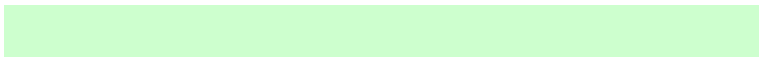
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9445, 94.3932, 56.2790



82.0679, 94.3932, 59.2417



74.7793, 94.3932, 72.7718

# Triad

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



82.0679, 94.3932, 59.2417



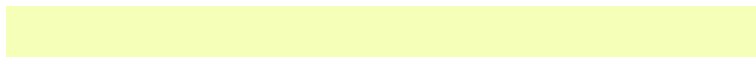
78.5159, 94.3932, 155.1978



110.7590, 94.3932, 109.2336

# Complementary

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



82.0679, 94.3932, 59.2417



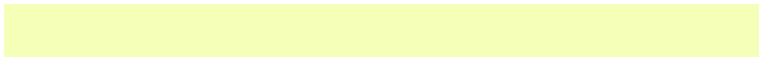
57.4397, 52.9716, 101.8049

# 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.



106.5243, 94.3932, 140.0717



82.0679, 94.3932, 59.2417



87.5275, 94.3932, 169.6777

# Square

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



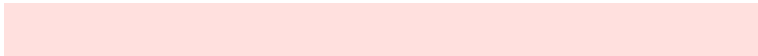
82.0679, 94.3932, 59.2417



72.8404, 94.3932, 127.0326



97.8291, 94.3932, 163.6723

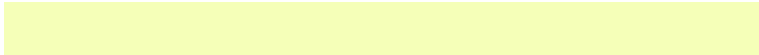


109.0198, 94.3932, 81.8259

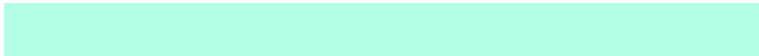


# Rectangle

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



82.0679, 94.3932, 59.2417



72.1133, 94.3932, 87.6237



97.8291, 94.3932, 163.6723



109.9771, 94.3932, 119.5863

# Sweetspot

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



82.0683, 94.3933, 59.2430



90.8885, 98.2142, 92.4615



69.0658, 63.0683, 53.8820



19.2949, 20.9534, 19.1718



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

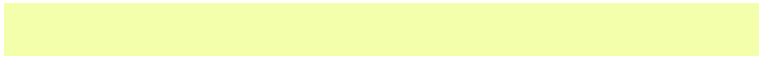


# Same Dimension

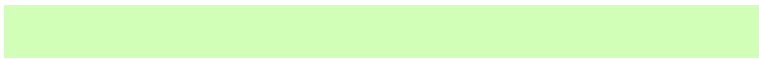
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0683, 94.3933, 59.2430



80.1096, 93.5356, 52.2851



71.0003, 88.6876, 58.7251



19.2949, 20.9534, 19.1718



34.0599, 45.2966, 6.9480



3.3824, 4.4444, 0.6796



# Inverse Universe

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



57.4397, 52.9716, 101.8049



52.0423, 46.3200, 100.8055



67.4938, 58.1547, 102.2754



17.2409, 17.5004, 22.7192



9.8818, 4.0048, 49.6867

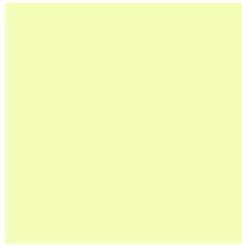


1.0307, 0.4253, 4.8410



# Previews

## White Background



This preview shows how the XYZ color 82.0679, 94.3932, 59.2417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

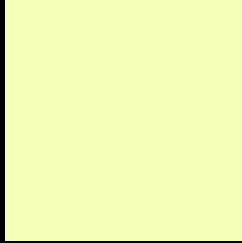
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.0679, 94.3932, 59.2417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

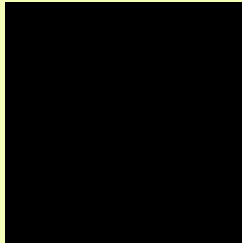
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.0679, 94.3932, 59.2417**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.0679, 94.3932, 59.2417.



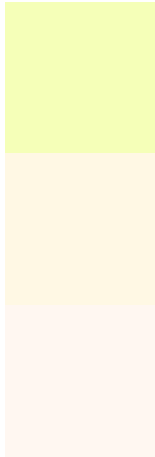
This preview shows how white text looks on a background with the XYZ color 82.0679, 94.3932,



# 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

82.0679, 94.3932, 59.2417

### Protanopia

88.8110, 93.9962, 86.8610

### Deuteranopia

90.3779, 94.1324, 96.6250

## **Tritanopia**

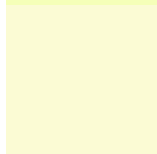
91.0944, 94.2508, 107.9988

# Trichromacy



## Original Color

82.0679, 94.3932, 59.2417



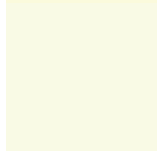
## Protanomaly

86.1645, 94.2571, 75.9394



## Deuteranomaly

86.8875, 94.0478, 81.2837



## Tritanomaly

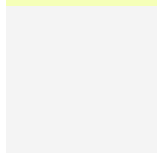
87.3954, 94.1681, 87.6988

# Monochromacy



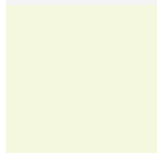
## Original Color

82.0679, 94.3932, 59.2417



## Achromatopsia

85.9880, 90.4661, 98.5176



## Achromatomaly

84.0604, 91.6418, 82.3654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.0679, 94.3932, 59.2417 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(245, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 82.0679, 94.3932, 59.2417 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(245, 255, 184) }
```



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

```
.border{ border-color:rgb(245, 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(245, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.0679, 94.3932, 59.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 184) }
```

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

```
.background{ background-color: rgb(245,  
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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