

# Converting Colors

XYZ(84.4182, 93.1606, 79.8797)

Have a look what the booklet for  
XYZ(84.4182, 93.1606, 79.8797)  
contains.

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# Color

**XYZ(84.4603, 93.2894,  
79.8848)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4FBDA
RGB	244, 251, 218
RGB Percent	96%, 98%, 85%
CMY	0.0431, 0.0157, 0.1451
CMYK	0.03, 0.00, 0.13, 0.02
HSL	73°, 81%, 92%
HSV	73°, 13%, 98%
XYZ	84.4603, 93.2894, 79.8848
YIQ	245.1450, 6.4210, -11.7470

# Conversions

## Conversions Part 2

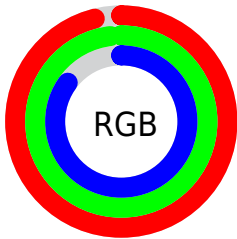
Format	Color
<b>R<sub>YB</sub></b>	218, 251, 225
Decimal	16055258
CIE Lab	97.34, -7.86, 15.04
CIE LCh	97, 16.966, 117.580
Yxy	93.2894, 0.3278, 0.3621
Android (android.graphics.Color)	4294245338 (0xFFFF4FBDA)
YUV	245.1450, -13.3825, -1.0042
Hunter-Lab	96.5864, -12.9364, 18.5729

# Details

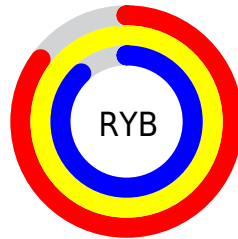
The XYZ color **84.4603, 93.2894, 79.8848** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.5390, 73.1179, 101.5090**, and the grayscale version is **87.0106, 91.5419, 99.6892**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8650, 52.3659, 42.2879** is the 20% darker color. If you saturate the color by 10%, you get **79.6002, 91.1379, 63.7904**, and if you desaturate by 10%, it is **89.8764, 95.6756, 98.6055**.

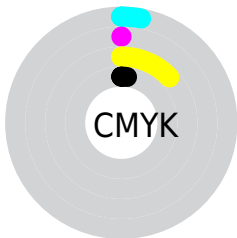
# Distribution



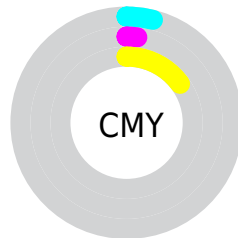
- Red (96%)
- Green (98%)
- Blue (85%)



- Red (85%)
- Yellow (98%)
- Blue (88%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)




- Cyan (4%)
- Magenta (2%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.4603, 93.2894, 79.8848 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 84.4603, 93.2894, 79.8848 by changing the saturation by 10% instead.




 84.4603, 93.2894,  
79.8848

 84.4603, 93.2894,  
79.8848


498.3511,  
538.6741, 514.2410

 63.7165, 70.7121,  
59.0980


138.5368,  
151.8992, 135.0137

 46.6819, 52.1073,  
42.2714


172.6003,  
188.7005, 170.1928

 32.9912, 37.0906,  
28.9867


211.8343,  
231.0119, 211.0064

 22.2789, 25.2776,  
18.8253

256.6043,  
279.2177, 257.8731

 14.1797, 16.2840,  
11.3686

307.2757,  
333.7025, 311.2114

 8.3283, 9.7254,  
6.1980

364.2137,

 4.3593, 5.2172,

394.8505, 371.4397

2.8951

427.7837,  
463.0463, 438.9768

■ 1.9073, 2.3753,  
1.0413

■ 0.5811, 0.8131,  
0.0000

■ 84.4603, 93.2894,  
79.8848

■ 84.4603, 93.2894,  
79.8848

■ 79.6002, 91.1379,  
63.7904

■ 89.8764, 95.6756,  
98.6055

■ 75.2658, 89.1998,  
50.1989

■ 93.6626, 97.4130,  
108.4738

■ 71.4351, 87.4692,  
38.9859

■ 93.7891, 97.4781,  
108.4797

■ 68.0817, 85.9356,  
30.0140

■ 65.1762, 84.5871,  
23.1317

■ 62.6860, 83.4106,  
18.1690

■ 60.5731, 82.3909,  
14.9290

■ 58.7918, 81.5096,  
13.1727

■ 57.7170, 80.9674,  
12.5863

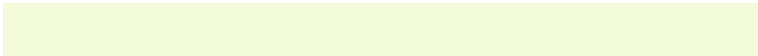
# Harmonies

## Analogous

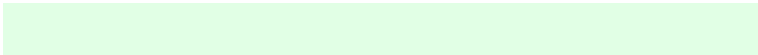
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0595, 93.2894, 77.3704



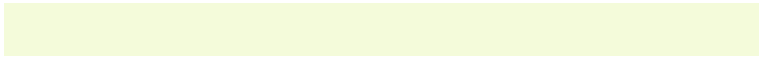
84.4603, 93.2894, 79.8848



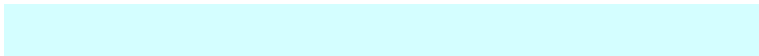
81.0973, 93.2894, 88.0425

# Triad

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



84.4603, 93.2894, 79.8848



83.8079, 93.2894, 125.5854



98.2221, 93.2894, 102.6976

# Complementary

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



84.4603, 93.2894, 79.8848



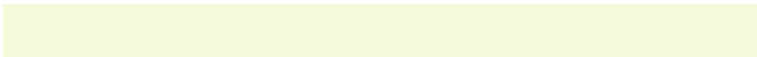
73.5390, 73.1179, 101.5090

# Split Complementary

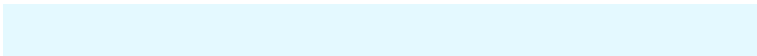
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.6975, 93.2894, 116.4305



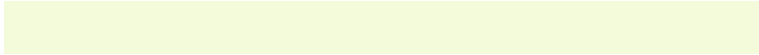
84.4603, 93.2894, 79.8848



88.2792, 93.2894, 130.3677

# Square

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



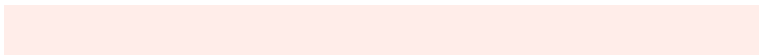
84.4603, 93.2894, 79.8848



80.7303, 93.2894, 114.3239



93.0148, 93.2894, 126.8768



97.1114, 93.2894, 89.8134

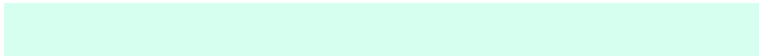


# Rectangle

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



84.4603, 93.2894, 79.8848



79.9498, 93.2894, 95.9917



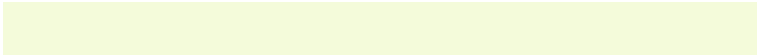
93.0148, 93.2894, 126.8768



97.9997, 93.2894, 107.3734

# Sweetspot

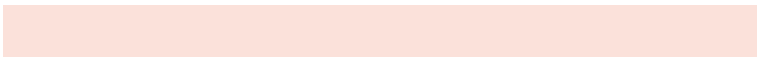
The Sweet Spot groups the original color and five complimentary colors.



84.4628, 93.2935, 79.8868



92.6589, 98.9521, 100.4422



79.2589, 79.2083, 77.4424



19.7388, 21.1386, 21.1692



0.0000, 0.0000, 0.0000

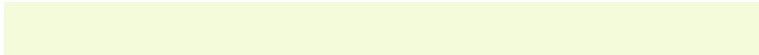


20.3446, 21.4041, 23.3091

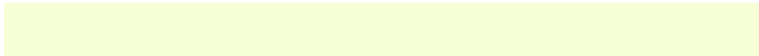


# Same Dimension

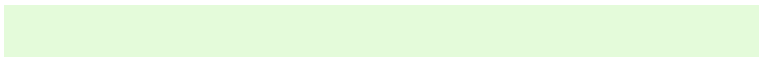
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4628, 93.2935, 79.8868



86.0487, 96.0397, 77.7546



79.1184, 90.5383, 79.6367



18.3456, 19.9940, 18.3547



30.4637, 42.6229, 6.6214



2.9083, 3.9924, 0.6173



# Inverse Universe

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



73.5390, 73.1179, 101.5090



72.5354, 71.0801, 104.5045



78.7969, 75.8285, 101.7551



16.6273, 16.8205, 21.7556



10.0298, 4.1132, 48.2389

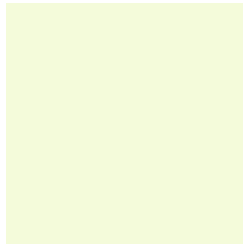


1.0135, 0.4246, 4.4717



# Previews

## White Background



This preview shows how the XYZ color 84.4603, 93.2894, 79.8848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

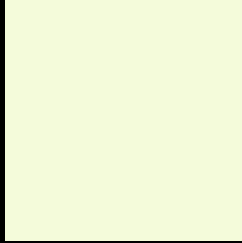
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.4603, 93.2894, 79.8848 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

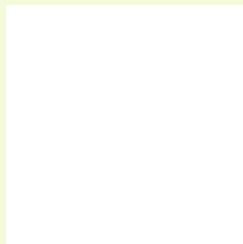
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.4603, 93.2894, 79.8848

## Background



This preview shows how black text looks on a background with the XYZ color 84.4603, 93.2894, 79.8848.



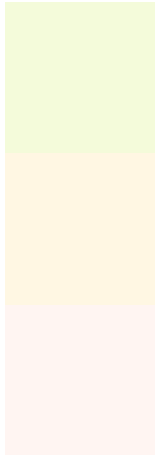
This preview shows how white text looks on a background with the XYZ color 84.4603, 93.2894,

79.8848.

# 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

84.4603, 93.2894, 79.8848

### Protanopia

88.3659, 93.3276, 86.0297

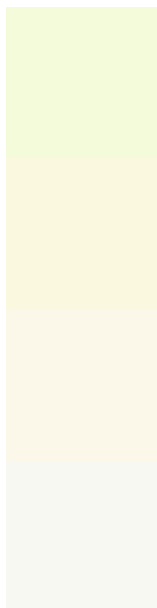
### Deuteranopia

89.9194, 92.9756, 97.2112

## **Tritanopia**

90.0727, 93.2713, 107.8636

# Trichromacy



## Original Color

84.4603, 93.2894, 79.8848

## Protanomaly

86.8056, 93.0259, 83.9016

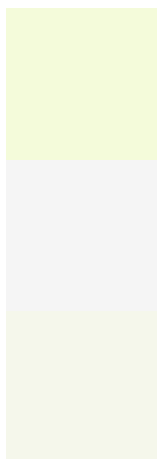
## Deuteranomaly

87.7524, 92.9140, 90.3999

## Tritanomaly

87.9522, 93.3198, 97.3813

# Monochromacy



## Original Color

84.4603, 93.2894, 79.8848

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.9123, 91.9322, 91.8139

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.4603, 93.2894, 79.8848 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(244, 251, 218)` looks like.

```
.text, #text, p{  
    color:rgb(244, 251, 218)  
}
```

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(244, 251, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 251, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 84.4603, 93.2894, 79.8848 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(244, 251, 218) }
```



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

```
.border{ border-color:rgb(244, 251, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 251, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 251, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 251, 218);  
box-shadow:4px 4px 4px 4px rgb(244, 251,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.4603, 93.2894, 79.8848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 251, 218) }
```

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

```
.background{ background-color: rgb(244,  
251, 218) }
```

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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