

# Converting Colors

XYZ(83.8902, 90.5575, 82.1658)

Have a look what the booklet for  
XYZ(83.8902, 90.5575, 82.1658)  
contains.

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# **Color**

**XYZ(83.7968, 90.5979,  
82.1778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F6DE
RGB	245, 246, 222
RGB Percent	96%, 96%, 87%
CMY	0.0392, 0.0353, 0.1294
CMYK	0.00, 0.00, 0.10, 0.04
HSL	63°, 57%, 92%
HSV	63°, 10%, 96%
XYZ	83.7968, 90.5979, 82.1778
YIQ	242.9650, 7.1080, -7.6760

# Conversions

## Conversions Part 2

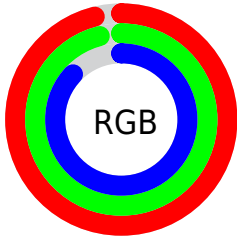
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 246, 223</a>
Decimal	<a href="#">16119518</a>
CIELab	<a href="#">96.24, -4.37, 11.43</a>
CIELCh	<a href="#">96, 12.239, 110.934</a>
Yxy	<a href="#">90.5979, 0.3266, 0.3531</a>
Android (android.graphics.Color)	<a href="#">4294309598 (0xFFFF5F6DE)</a>
YUV	<a href="#">242.9650, -10.3357, 1.7847</a>
Hunter-Lab	<a href="#">95.1829, -9.4229, 15.4390</a>

# Details

The XYZ color **83.7968, 90.5979, 82.1778** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.1906, 74.5867, 97.7326**, and the grayscale version is **85.2414, 89.6806, 97.6621**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3748, 50.4357, 43.8501** is the 20% darker color. If you saturate the color by 10%, you get **80.3801, 89.1928, 66.0442**, and if you desaturate by 10%, it is **87.7016, 92.2044, 100.8492**.

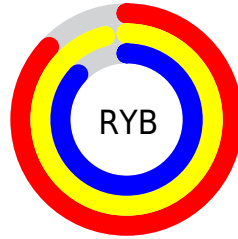
# Distribution



Red (96%)

Green (96%)

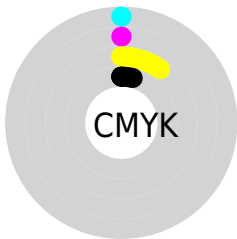
Blue (87%)



Red (87%)

Yellow (96%)

Blue (87%)

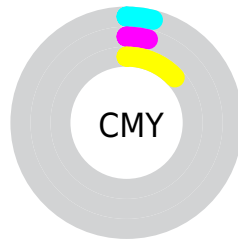


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (4%)



Cyan (4%)

Magenta (4%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7968, 90.5979, 82.1778 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 83.7968, 90.5979, 82.1778 by changing the saturation by 10% instead.



83.7968, 90.5979,  
82.1778

83.7968, 90.5979,  
82.1778

496.1821,  
529.9739, 522.1413

63.1668, 68.4766,  
60.9754

137.6136,  
148.1686, 138.2622

46.2353, 50.2856,  
43.7749

171.5312,  
184.3869, 173.9814

32.6370, 35.6404,  
30.1577

210.6087,  
226.0729, 215.3765

22.0064, 24.1566,  
19.7053

255.2114,  
273.6112, 262.8662

13.9782, 15.4498,  
11.9990

305.7047,  
327.3860, 316.8690

8.1871, 9.1357,  
6.6205

362.4541,

4.2677, 4.8298,

387.7818, 377.8034

3.1511

425.8247,  
455.1830, 446.0880

■ 1.8547, 2.1477,  
1.1723

■ 0.5503, 0.6913,  
0.0000

■ 83.7968, 90.5979,  
82.1778

■ 83.7968, 90.5979,  
82.1778

■ 80.3801, 89.1928,  
66.0442

■ 87.7016, 92.2044,  
100.8492

■ 77.4233, 87.9689,  
52.3332


■ 89.3866, 92.9203,  
107.8320


■ 74.9067, 86.9214,  
40.9296


■ 89.7509, 93.1080,  
107.8490


■ 72.8061, 86.0404,  
31.7064


■ 90.1171, 93.2968,  
107.8661


 71.0951, 85.3156,  
24.5245


 90.4854, 93.4867,  
107.8834


 69.7442, 84.7350,  
19.2287


 90.8556, 93.6775,  
107.9007


 68.7198, 84.2852,  
15.6415

 91.2279, 93.8695,  
107.9181

 67.9817, 83.9502,  
13.5519

 91.6022, 94.0624,  
107.9357

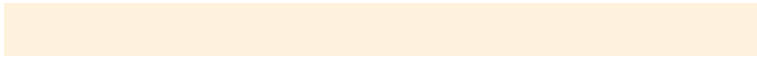
 67.4651, 83.7040,  
12.6178

 91.9785, 94.2564,  
107.9533

# Harmonies

## Analogous

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



87.1444, 90.5979, 81.2943



83.7968, 90.5979, 82.1778



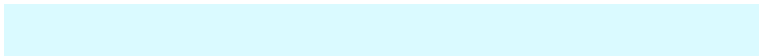
81.1358, 90.5979, 87.3147

# Triad

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



83.7968, 90.5979, 82.1778



82.0575, 90.5979, 113.9018



92.7264, 90.5979, 101.6243

# Complementary

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



83.7968, 90.5979, 82.1778



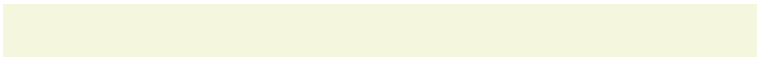
73.1906, 74.5867, 97.7326

# Split Complementary

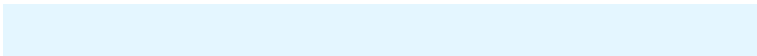
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.2847, 90.5979, 110.9169



83.7968, 90.5979, 82.1778



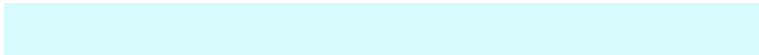
85.0849, 90.5979, 118.3055

# Square

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



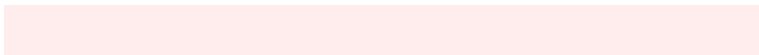
83.7968, 90.5979, 82.1778



80.1501, 90.5979, 105.4847



88.4666, 90.5979, 117.1786



92.3595, 90.5979, 92.1089

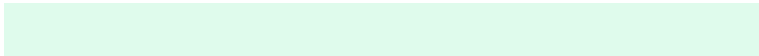


# Rectangle

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



83.7968, 90.5979, 82.1778



80.0807, 90.5979, 92.6575



88.4666, 90.5979, 117.1786



92.4358, 90.5979, 104.8865

# Sweetspot

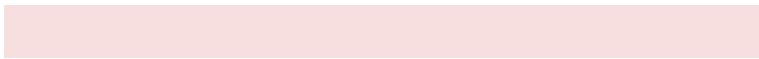
The Sweet Spot groups the original color and five complimentary colors.



83.7993, 90.6019, 82.1798



93.7249, 99.4564, 102.5363



77.5280, 77.5375, 79.9886



19.9869, 21.2574, 21.5922



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.



83.7993, 90.6019, 82.1798



90.0393, 97.9415, 84.9648



79.8135, 88.5471, 81.9932



17.8421, 19.2762, 17.5779



36.0332, 44.6886, 6.7266



3.1879, 3.9385, 0.5922



# Inverse Universe

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



73.1906, 74.5867, 97.7326



76.0773, 76.8637, 105.4342



76.9535, 76.5265, 97.9087



15.6453, 15.9598, 20.7985



8.9764, 3.6018, 46.7601

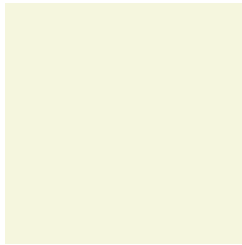


0.8111, 0.3280, 4.1108



# Previews

## White Background



This preview shows how the XYZ color 83.7968, 90.5979, 82.1778 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

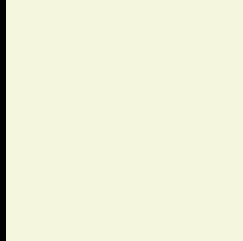
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7968, 90.5979, 82.1778 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

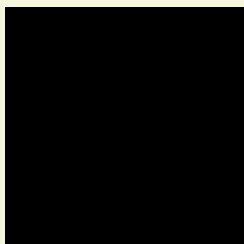
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

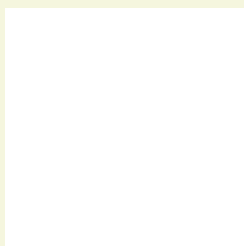
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.7968, 90.5979, 82.1778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.7968, 90.5979, 82.1778.



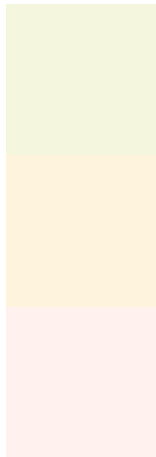
This preview shows how white text looks on a background with the XYZ color 83.7968, 90.5979,

82.1778.

# 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

83.7968, 90.5979, 82.1778

### Protanopia

85.9748, 90.3925, 81.3227

### Deuteranopia

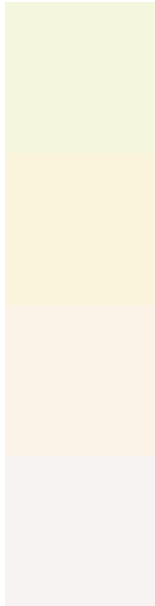
88.1279, 90.3436, 93.6821



## Tritanopia

88.8691, 90.8640, 107.4623

# Trichromacy



## Original Color

83.7968, 90.5979, 82.1778

## Protanomaly

85.1855, 90.4311, 81.3718

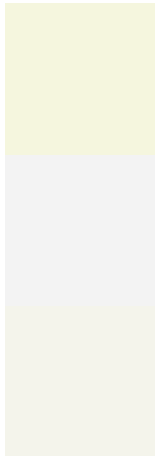
## Deuteranomaly

86.3997, 90.4366, 89.2462

## Tritanomaly

86.9397, 90.5287, 97.6856

# Monochromacy



## Original Color

83.7968, 90.5979, 82.1778

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.6543, 89.9326, 91.4942

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7968, 90.5979, 82.1778 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, 246, 222)` looks like.

```
.text, #text, p{  
    color:rgb(245, 246, 222)  
}
```

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, 246, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 246, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7968, 90.5979, 82.1778 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, 246, 222) }
```



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

```
.border{ border-color:rgb(245, 246, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 246, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 246, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 246, 222);  
box-shadow:4px 4px 4px 4px rgb(245, 246,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7968, 90.5979, 82.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 246, 222) }
```

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

```
.background{ background-color: rgb(245,  
246, 222) }
```

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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