

# Converting Colors

XYZ(83.3483, 89.2386, 84.9654)

Have a look what the booklet for  
XYZ(83.3483, 89.2386, 84.9654)  
contains.

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# Color

**XYZ(83.3864, 89.4255,  
84.8174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F4E2
RGB	244, 244, 226
RGB Percent	96%, 96%, 89%
CMY	0.0431, 0.0431, 0.1137
CMYK	0.00, 0.00, 0.07, 0.04
HSL	60°, 45%, 92%
HSV	60°, 7%, 96%
XYZ	83.3864, 89.4255, 84.8174
YIQ	241.9480, 5.7780, -5.5980

# Conversions

## Conversions Part 2

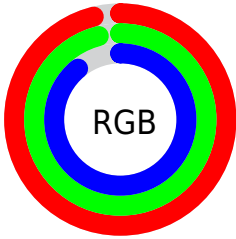
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 244, 226
Decimal	16053474
CIE Lab	95.76, -3.06, 8.66
CIE LCh	96, 9.188, 109.458
Yxy	89.4255, 0.3237, 0.3471
Android (android.graphics.Color)	4294243554 (0xFFFF4F4E2)
YUV	241.9480, -7.8624, 1.7996
Hunter-Lab	94.5651, -8.0896, 13.0171

# Details

The XYZ color **83.3864, 89.4255, 84.8174** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8930, 77.0955, 96.5264**, and the grayscale version is **84.4162, 88.8124, 96.7167**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0729, 49.5981, 45.6732** is the 20% darker color. If you saturate the color by 10%, you get **80.2724, 88.1825, 68.4200**, and if you desaturate by 10%, it is **86.9819, 90.8669, 103.7283**.

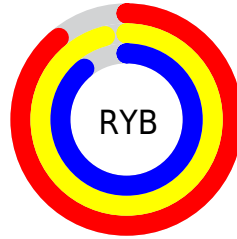
# Distribution



Red (96%)

Green (96%)

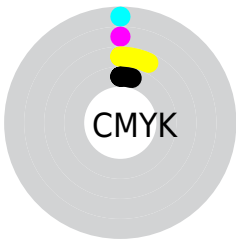
Blue (89%)



Red (89%)

Yellow (96%)

Blue (89%)

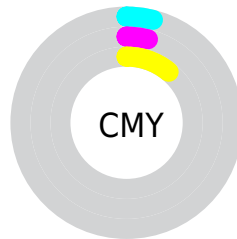


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (4%)



Cyan (4%)

Magenta (4%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3864, 89.4255, 84.8174 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 83.3864, 89.4255, 84.8174 by changing the saturation by 10% instead.




 83.3864, 89.4255,  
84.8174

 83.3864, 89.4255,  
84.8174


494.8379,  
526.1603, 531.1525

 62.8270, 67.5043,  
63.1412


137.0422,  
146.5401, 141.9899

 45.9594, 49.4945,  
45.5137


170.8693,  
182.5023, 178.3234

 32.4182, 35.0119,  
31.5164


209.8497,  
223.9136, 220.3796

 21.8382, 23.6721,  
20.7306

254.3487,  
271.1583, 268.5773

 13.8540, 15.0905,  
12.7379

304.7316,  
324.6210, 323.3349

 8.1002, 8.8830,  
7.1197

361.3639,

 4.2115, 4.6649,

384.6859, 385.0709

3.4575

424.6109,  
451.7376, 454.2039

■ 1.8225, 2.0520,  
1.3327

■ 0.5312, 0.6374,  
0.0884

■ 83.3864, 89.4255,  
84.8174

■ 83.3864, 89.4255,  
84.8174

■ 80.2724, 88.1825,  
68.4200

■ 86.9819, 90.8669,  
103.7283

■ 77.6124, 87.1183,  
54.4248


■ 87.7157, 91.1606,  
107.5804


■ 75.3876, 86.2281,  
42.7208


■ 87.7179, 91.1618,  
107.5805


■ 73.5747, 85.5027,  
33.1860


■ 87.7202, 91.1630,  
107.5806


 72.1484, 84.9319,  
25.6872


 87.7225, 91.1642,  
107.5807

 71.0807, 84.5046,  
20.0765


 87.7248, 91.1653,  
107.5808


 70.3396, 84.2079,  
16.1858

 87.7270, 91.1665,  
107.5809

 69.8877, 84.0268,  
13.8177

 87.7293, 91.1677,  
107.5810

 69.6758, 83.9418,  
12.7138

 87.7316, 91.1688,  
107.5811

# Harmonies

## Analogous

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



85.8892, 89.4255, 84.3073



83.3864, 89.4255, 84.8174



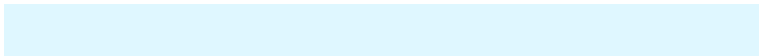
81.3536, 89.4255, 88.5930

# Triad

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



83.3864, 89.4255, 84.8174



81.8739, 89.4255, 108.3424



89.8680, 89.4255, 99.9399

# Complementary

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



83.3864, 89.4255, 84.8174



74.8930, 77.0955, 96.5264

# Split Complementary

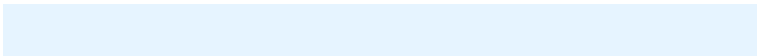
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7461, 89.4255, 106.7066



83.3864, 89.4255, 84.8174



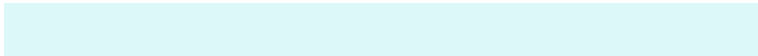
84.1095, 89.4255, 111.7150

# Square

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



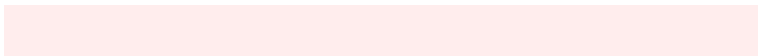
83.3864, 89.4255, 84.8174



80.4924, 89.4255, 102.0832



86.6267, 89.4255, 111.1019



89.6650, 89.4255, 92.8026

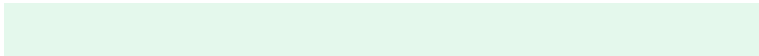


# Rectangle

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



83.3864, 89.4255, 84.8174



80.5228, 89.4255, 92.5629



86.6267, 89.4255, 111.1019



89.6324, 89.4255, 102.3390

# Sweetspot

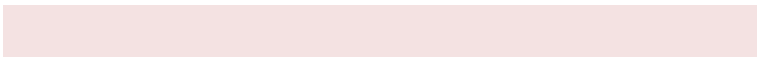
The Sweet Spot groups the original color and five complimentary colors.



83.3889, 89.4294, 84.8193



94.2391, 99.6756, 104.6327



78.2349, 79.1189, 83.1009



20.1795, 21.3381, 22.4404



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

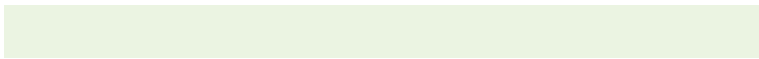
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3889, 89.4294, 84.8193



91.5703, 98.6079, 90.5881



80.3425, 87.8589, 84.6768



17.9143, 19.3134, 17.5812



37.8646, 45.6327, 6.8123



3.3281, 4.0107, 0.5987



# Inverse Universe

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



74.8930, 77.0955, 96.5264



80.2176, 82.1266, 106.2318



77.7891, 78.5885, 96.6619



15.5816, 15.9270, 20.7955



8.8795, 3.5519, 46.7556

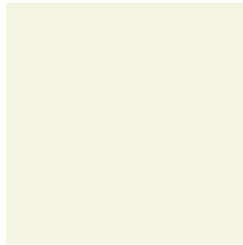


0.7806, 0.3122, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 83.3864, 89.4255, 84.8174 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

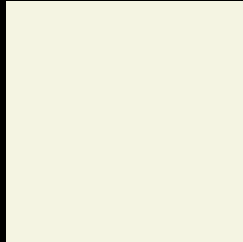
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.3864, 89.4255, 84.8174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

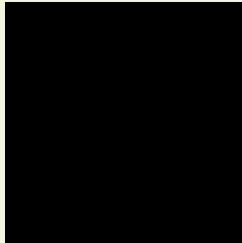
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

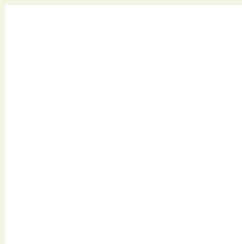
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.3864, 89.4255, 84.8174**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.3864, 89.4255, 84.8174.



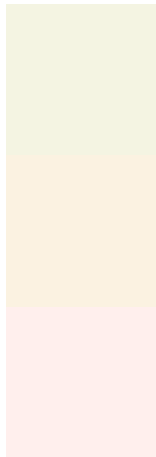
This preview shows how white text looks on a background with the XYZ color 83.3864, 89.4255,



# 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

83.3864, 89.4255, 84.8174

### Protanopia

85.1264, 89.4497, 84.0130

### Deuteranopia

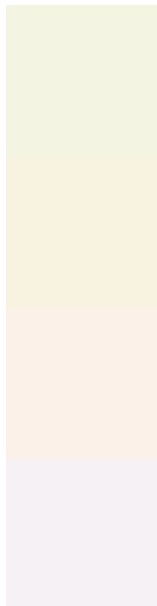
87.3926, 89.1074, 92.7141



## Tritanopia

87.5679, 89.3143, 107.2318

# Trichromacy



## Original Color

83.3864, 89.4255, 84.8174

## Protanomaly

84.3526, 89.4939, 84.0624

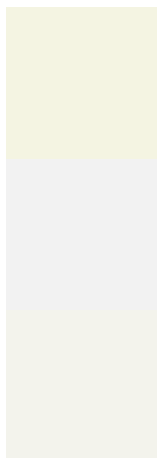
## Deuteranomaly

85.9469, 89.3030, 89.7981

## Tritanomaly

85.7905, 89.0351, 98.2518

# Monochromacy



## Original Color

83.3864, 89.4255, 84.8174

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.1531, 89.2120, 92.1412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.3864, 89.4255, 84.8174 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, 244, 226) looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 226)  
}
```

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, 244, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 83.3864, 89.4255, 84.8174 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, 244, 226) }
```



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

```
.border{ border-color:rgb(244, 244, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 226);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.3864, 89.4255, 84.8174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 226) }
```

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

```
.background{ background-color: rgb(244,  
244, 226) }
```

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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