

# Converting Colors

XYZ(81.2667, 83.3449, 85.5525)



Have a look what the booklet for  
XYZ(81.2667, 83.3449, 85.5525)  
contains.

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# Color

**XYZ(81.1485, 83.4721,  
85.2335)**



# Conversions

Conversions Part 1	
Format	Color
Hex	F6E9E4
RGB	246, 233, 228
RGB Percent	96%, 91%, 89%
CMY	0.0353, 0.0863, 0.1059
CMYK	0.00, 0.05, 0.07, 0.04
HSL	17°, 50%, 93%
HSV	17°, 7%, 96%
XYZ	81.1485, 83.4721, 85.2335
YIQ	236.3170, 9.3530, 1.2010



# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">246, 235, 228</a>
Decimal	<a href="#">16181732</a>
CIELab	<a href="#">93.22, 3.55, 3.99</a>
CIELCh	<a href="#">93, 5.343, 48.290</a>
Yxy	<a href="#">83.4721, 0.3248, 0.3341</a>
Android (android.graphics.Color)	<a href="#">4294371812</a> (0xFFFF6E9E4)
YUV	<a href="#">236.3170, -4.1003, 8.4920</a>
Hunter-Lab	<a href="#">91.3631, -1.3420, 8.6419</a>



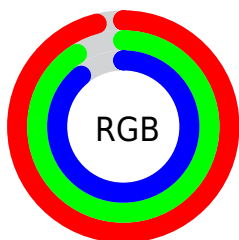
# Details

The XYZ color 81.1485, 83.4721, 85.2335 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.0845, 86.0568, 99.5794, and the grayscale version is 79.9990, 84.1652, 91.6559.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 44.5002, 45.4086, 45.9545 is the 20% darker color. If you saturate the color by 10%, you get 73.1968, 72.6499, 66.9161, and if you desaturate by 10%, it is 90.0969, 95.5081, 106.2825.



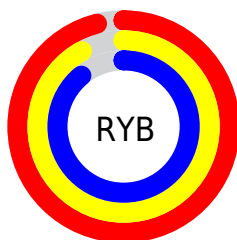
# Distribution



Red (96%)

Green (91%)

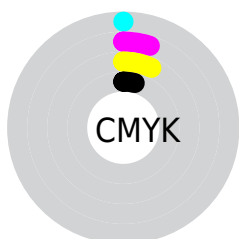
Blue (89%)



Red (96%)

Yellow (92%)

Blue (89%)

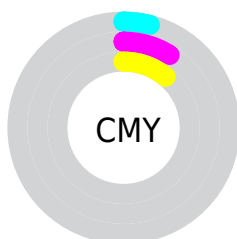


Cyan (0%)

Magenta (5%)

Yellow (7%)

Black (4%)



Cyan (4%)

Magenta (9%)

Yellow (11%)




# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1485, 83.4721, 85.2335 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 81.1485, 83.4721, 85.2335 by changing the saturation by 10% instead.




 81.1485, 83.4721,  
85.2335

 81.1485, 83.4721,  
85.2335


487.4728,  
506.5586, 532.5651

 60.9756, 62.5797,  
63.4831


133.9213,  
138.2365, 142.5764

 44.4580, 45.5013,  
45.7886


167.2520,  
172.8772, 179.0060

 31.2302, 31.8524,  
31.7316


205.6993,  
212.8696, 221.1657

 20.9269, 21.2488,  
20.8934

249.6286,  
258.5979, 269.4741

 13.1827, 13.3060,  
12.8557

299.4052,  
310.4465, 324.3497

 7.6323, 7.6396,  
7.1997

355.3945,

 3.9104, 3.8652,



368.7999, 386.2110

3.5069

417.9619,  
434.0425, 455.4767

■ 1.6516, 1.5985,  
1.3590

■ 0.4257, 0.3566,  
0.1094

■ 81.1485, 83.4721,  
85.2335

■ 81.1485, 83.4721,  
85.2335

■ 73.1968, 72.6499,  
66.9161

■ 90.0969, 95.5081,  
106.2825

■ 66.1995, 62.9927,  
51.2123

■ 91.8164, 98.3330,  
108.7487

■ 60.1215, 54.4641,  
38.0037

■ 54.9229, 47.0218,  
27.1604



■ 50.5603, 40.6210,  
18.5407

■ 46.9868, 35.2132,  
11.9877

■ 44.1501, 30.7461,  
7.3235

■ 41.9907, 27.1617,  
4.3398

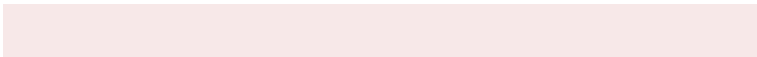
■ 40.4357, 24.3937,  
2.7668



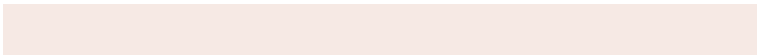
# Harmonies

## Analogous

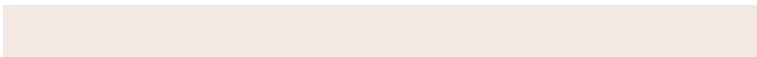
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9301, 83.4721, 88.4808



81.1485, 83.4721, 85.2335

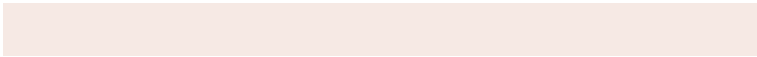


79.8872, 83.4721, 83.5207

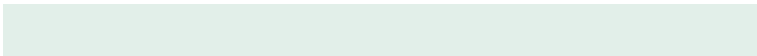


# Triad

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



81.1485, 83.4721, 85.2335



76.7222, 83.4721, 89.3260

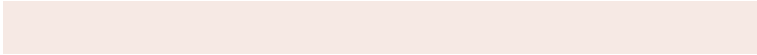


80.1884, 83.4721, 98.4314

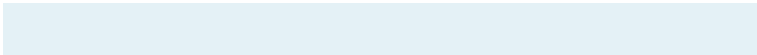


# Complementary

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



81.1485, 83.4721, 85.2335

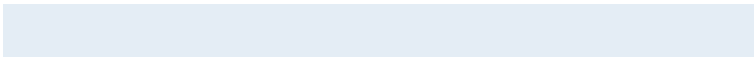


80.0845, 86.0568, 99.5794

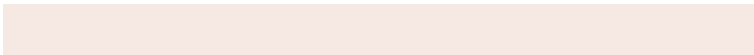


# Split Complementary

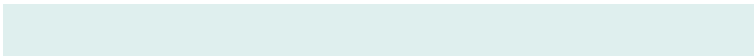
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7908, 83.4721, 98.6740



81.1485, 83.4721, 85.2335

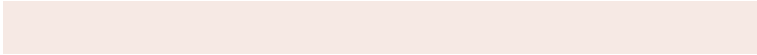


76.8007, 83.4721, 93.3363



# Square

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



81.1485, 83.4721, 85.2335



77.3383, 83.4721, 85.8365



77.5541, 83.4721, 96.7850

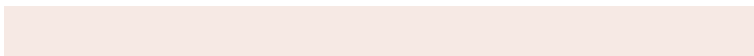


81.3713, 83.4721, 96.1317

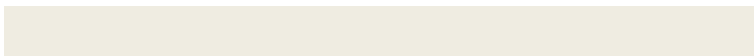


# Rectangle

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



81.1485, 83.4721, 85.2335



78.9489, 83.4721, 83.4450



77.5541, 83.4721, 96.7850

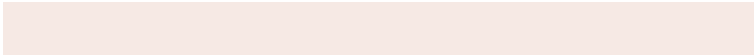


79.7278, 83.4721, 98.7587



# Sweetspot

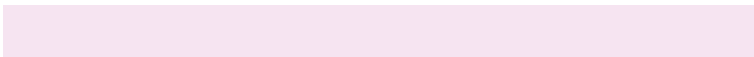
The Sweet Spot groups the original color and five complimentary colors.



81.1508, 83.4758, 85.2353



93.0762, 97.3490, 104.2449



81.6575, 81.4436, 94.7931



19.9429, 20.8645, 22.3615



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

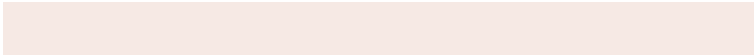




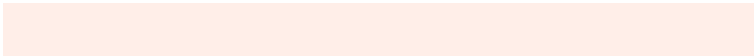


# Same Dimension

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



81.1508, 83.4758, 85.2353



86.5127, 88.4892, 88.9016



83.7032, 88.5805, 86.0861



16.8741, 17.2324, 17.2344



21.5032, 12.8920, 1.3551



1.9728, 1.2989, 0.1467





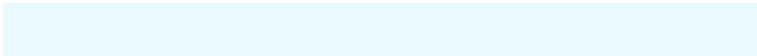


# Inverse Universe

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



80.0845, 86.0568, 99.5794



85.1031, 91.9004, 107.8609



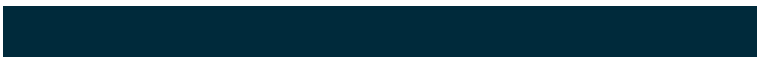
77.5435, 80.9749, 98.7324



16.5845, 17.9333, 21.1299



17.4587, 20.7112, 49.6155



1.6206, 1.9926, 4.3894

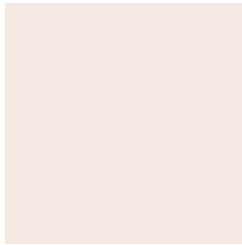






# Previews

## White Background



This preview shows how the XYZ color 81.1485, 83.4721, 85.2335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

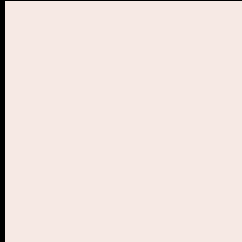
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.1485, 83.4721, 85.2335 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

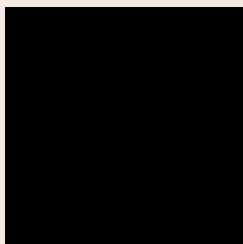
Any Text WCAG AAA ✓ Pass

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

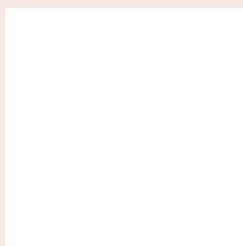


**XYZ 81.1485, 83.4721, 85.2335**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.1485, 83.4721, 85.2335.



This preview shows how white text looks on a background with the XYZ color 81.1485, 83.4721,



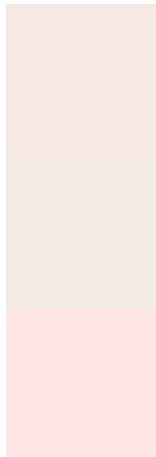
85.2335.



# 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

81.1485, 83.4721, 85.2335

### Protanopia

79.8413, 83.2036, 85.9805

### Deuteranopia

83.9606, 83.6232, 87.3170



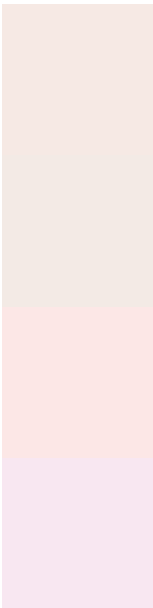


## Tritanopia

84.3070, 83.5107, 100.4827



# Trichromacy



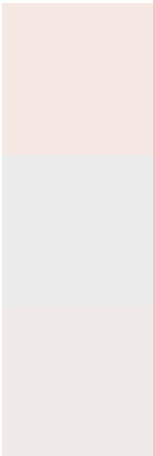
**Original Color**  
81.1485, 83.4721, 85.2335

**Protanomaly**  
80.5278, 83.5575, 86.0127

**Deuteranomaly**  
83.0037, 83.5604, 86.6169

**Tritanomaly**  
83.1645, 83.4592, 94.9451

# Monochromacy



**Original Color**  
81.1485, 83.4721, 85.2335

**Achromatopsia**  
79.7278, 83.8799, 91.3452

**Achromatomaly**  
80.3515, 83.8251, 89.0357



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.1485, 83.4721, 85.2335 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(246, 233, 228) looks like.

```
.text, #text, p{  
    color:rgb(246, 233, 228)  
}
```



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(246, 233, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 233, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 81.1485, 83.4721, 85.2335 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(246, 233, 228) }
```



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

```
.border{ border-color:rgb(246, 233, 228) }
```

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

Here you see how a box with a 4 pixel rgb(246, 233, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 233, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 233, 228);  
box-shadow:4px 4px 4px 4px rgb(246, 233,  
228) }
```



# Background

The CSS property to change the background color of an element to XYZ 81.1485, 83.4721, 85.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 233, 228) }
```

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

```
.background{ background-color: rgb(246,  
233, 228) }
```

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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