

# Converting Colors

XYZ(81.5602, 84.7555, 82.5746)

Have a look what the booklet for  
XYZ(81.5602, 84.7555, 82.5746)  
contains.

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# Color

**XYZ(81.5206, 84.5726,  
82.5486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7EBE0
RGB	247, 235, 224
RGB Percent	97%, 92%, 88%
CMY	0.0314, 0.0784, 0.1216
CMYK	0.00, 0.05, 0.09, 0.03
HSL	29°, 59%, 92%
HSV	29°, 9%, 97%
XYZ	81.5206, 84.5726, 82.5486
YIQ	237.3340, 10.6830, -0.8770

# Conversions

## Conversions Part 2

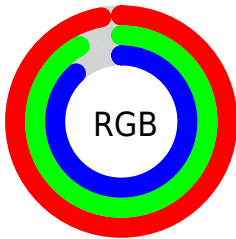
Format	Color
<a href="#">RYB</a>	<a href="#">247, 245, 224</a>
Decimal	<a href="#">16247776</a>
CIELab	<a href="#">93.70, 2.22, 6.77</a>
CIELCh	<a href="#">94, 7.123, 71.851</a>
Yxy	<a href="#">84.5726, 0.3279, 0.3401</a>
Android (android.graphics.Color)	<a href="#">4294437856</a> ( <a href="#">0xFFFF7EBE0</a> )
YUV	<a href="#">237.3340, -6.5737, 8.4771</a>
Hunter-Lab	<a href="#">91.9634, -2.7052, 11.1542</a>

# Details

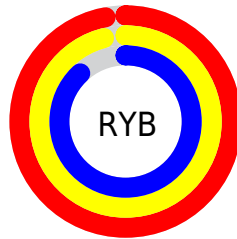
The XYZ color **81.5206, 84.5726, 82.5486** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5242, 82.5521, 99.8447**, and the grayscale version is **80.7988, 85.0067, 92.5723**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7674, 46.1811, 44.0905** is the 20% darker color. If you saturate the color by 10%, you get **74.8562, 76.2202, 64.9833**, and if you desaturate by 10%, it is **88.9435, 93.6613, 102.7695**.

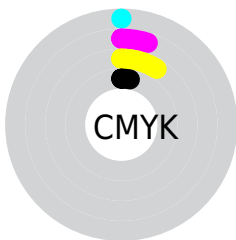
# Distribution



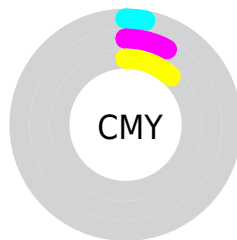
- Red (97%)
- Green (92%)
- Blue (88%)



- Red (97%)
- Yellow (96%)
- Blue (88%)



- Cyan (0%)
- Magenta (5%)
- Yellow (9%)
- Black (3%)




- Cyan (3%)
- Magenta (8%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5206, 84.5726, 82.5486 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 81.5206, 84.5726, 82.5486 by changing the saturation by 10% instead.




 81.5206, 84.5726,  
82.5486

 81.5206, 84.5726,  
82.5486


488.7015,  
510.2128, 523.4124

 61.2832, 63.4883,  
61.2794

134.4408,  
139.7759, 138.7866

 44.7072, 46.2363,  
44.0187


167.8544,  
174.6636, 174.5925

 31.4271, 32.4324,  
30.3479


206.3908,  
214.9213, 216.0811

 21.0777, 21.6920,  
19.8485

250.4152,  
260.9334, 263.6708

 13.2936, 13.6307,  
12.1020

300.2932,  
313.0841, 317.7803

 7.7094, 7.8643,  
6.6898

356.3900,

 3.9598, 4.0082,

371.7580, 378.8280

3.1934

419.0710,  
437.3394, 447.2325

■ 1.6794, 1.6782,  
1.1942

■ 0.4433, 0.4095,  
0.0000

■ 81.5206, 84.5726,  
82.5486

■ 81.5206, 84.5726,  
82.5486

■ 74.8562, 76.2202,  
64.9833

■ 88.9435, 93.6613,  
102.7695

■ 68.9167, 68.5735,  
49.9563

■ 92.1681, 98.5143,  
108.7651

■ 63.6763, 61.6154,  
37.3494

■ 59.1048, 55.3244,  
27.0331

■ 55.1693, 49.6773,  
18.8651

■ 51.8337, 44.6493,  
12.6875

■ 49.0575, 40.2134,  
8.3200

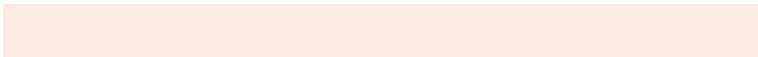
■ 46.7934, 36.3394,  
5.5489

■ 44.9722, 32.9876,  
4.0458

# Harmonies

## Analogous

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



83.1201, 84.5726, 85.3168



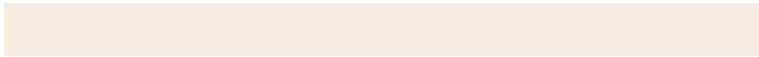
81.5206, 84.5726, 82.5486



79.6400, 84.5726, 82.2738

# Triad

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



81.5206, 84.5726, 82.5486



76.8806, 84.5726, 94.2383



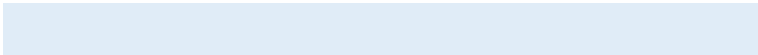
82.8319, 84.5726, 100.0542

# Complementary

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



81.5206, 84.5726, 82.5486



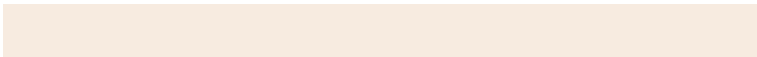
77.5242, 82.5521, 99.8447

# 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.



81.1320, 84.5726, 102.6471



81.5206, 84.5726, 82.5486



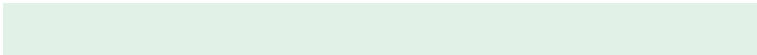
77.7080, 84.5726, 99.2024

# Square

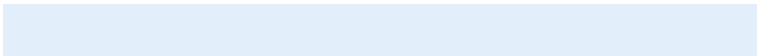
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



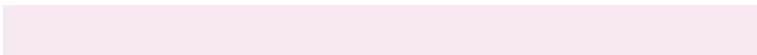
81.5206, 84.5726, 82.5486



76.9809, 84.5726, 88.8823



79.2575, 84.5726, 102.3293



83.8853, 84.5726, 95.3641



# Rectangle

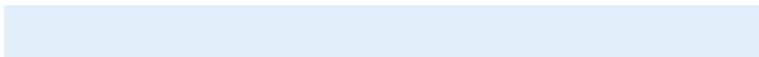
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5206, 84.5726, 82.5486



78.4819, 84.5726, 83.5276



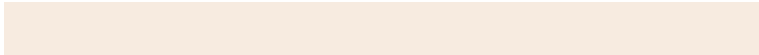
79.2575, 84.5726, 102.3293



82.3160, 84.5726, 101.2081

# Sweetspot

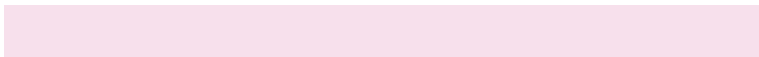
The Sweet Spot groups the original color and five complimentary colors.



81.5229, 84.5763, 82.5504



92.5829, 96.9978, 102.1219



80.1936, 79.1583, 90.6136



19.6781, 20.5924, 21.4801



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

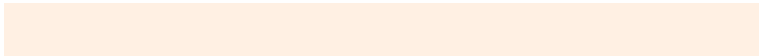


# Same Dimension

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



81.5229, 84.5763, 82.5504



86.3676, 89.3420, 85.3295



84.8400, 91.2104, 83.6561



17.1533, 17.7907, 17.3274



23.8640, 17.6135, 2.1420

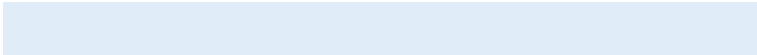


2.1997, 1.7526, 0.2223



# Inverse Universe

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



77.5242, 82.5521, 99.8447



81.3398, 86.7968, 107.0741



74.3923, 76.2883, 98.8007



16.2963, 17.3568, 21.0339



13.1614, 12.1167, 48.1831

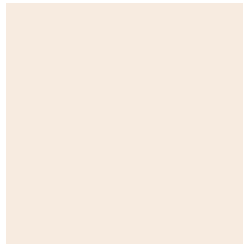


1.2597, 1.2708, 4.2691



# Previews

## White Background



This preview shows how the XYZ color 81.5206, 84.5726, 82.5486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

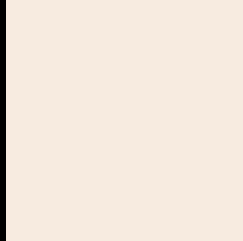
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.5206, 84.5726, 82.5486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

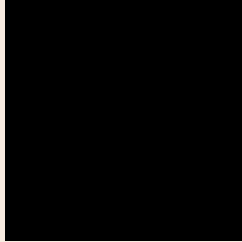
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.5206, 84.5726, 82.5486

## Background



This preview shows how black text looks on a background with the XYZ color 81.5206, 84.5726, 82.5486.



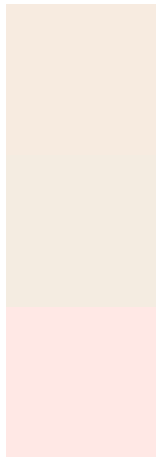
This preview shows how white text looks on a background with the XYZ color 81.5206, 84.5726,

82.5486.

# 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

81.5206, 84.5726, 82.5486

### Protanopia

80.8943, 84.6602, 83.3116

### Deuteranopia

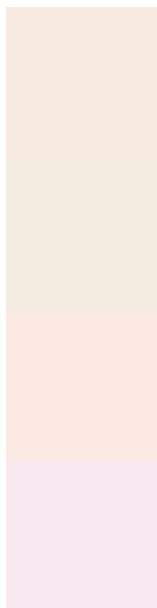
84.2395, 84.6304, 86.0241



## Tritanopia

85.4585, 84.5006, 101.4286

# Trichromacy



## Original Color

81.5206, 84.5726, 82.5486

## Protanomaly

81.2422, 84.8396, 83.3279

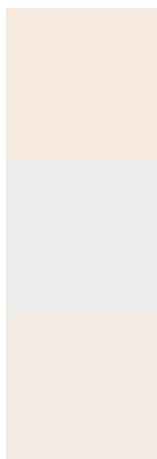
## Deuteranomaly

83.1489, 84.5193, 84.6045

## Tritanomaly

84.0091, 84.3285, 94.2873

# Monochromacy



## Original Color

81.5206, 84.5726, 82.5486

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.8366, 84.5179, 88.3970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.5206, 84.5726, 82.5486 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(247, 235, 224) looks like.

```
.text, #text, p{  
    color:rgb(247, 235, 224)  
}
```

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(247, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 235, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 81.5206, 84.5726, 82.5486 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(247, 235, 224) }
```



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

```
.border{ border-color:rgb(247, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(247, 235,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.5206, 84.5726, 82.5486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 235, 224) }
```

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

```
.background{ background-color: rgb(247,  
235, 224) }
```

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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