

# Converting Colors

XYZ(81.5224, 84.3705, 86.9339)

Have a look what the booklet for  
XYZ(81.5224, 84.3705, 86.9339)  
contains.

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# Color

**XYZ(81.6474, 84.5423,  
86.8779)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5EBE6
RGB	245, 235, 230
RGB Percent	96%, 92%, 90%
CMY	0.0392, 0.0784, 0.0980
CMYK	0.00, 0.04, 0.06, 0.04
HSL	20°, 43%, 93%
HSV	20°, 6%, 96%
XYZ	81.6474, 84.5423, 86.8779
YIQ	237.4200, 7.5650, 0.5650

# Conversions

## Conversions Part 2

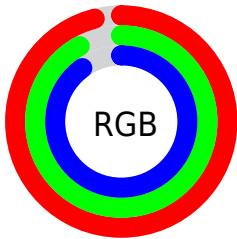
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 238, 230
Decimal	16116710
CIE Lab	93.69, 2.52, 3.61
CIE LCh	94, 4.405, 55.082
Yxy	84.5423, 0.3226, 0.3341
Android (android.graphics.Color)	4294306790 (0xFF5EBE6)
YUV	237.4200, -3.6581, 6.6477
Hunter-Lab	91.9469, -2.4018, 8.3414

# Details

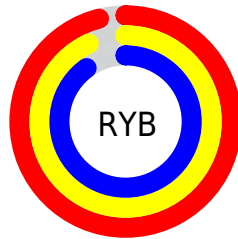
The XYZ color **81.6474, 84.5423, 86.8779** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.2744, 85.7342, 98.7046**, and the grayscale version is **80.8451, 85.0554, 92.6253**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8442, 46.1542, 47.1025** is the 20% darker color. If you saturate the color by 10%, you get **73.9847, 74.3408, 68.5253**, and if you desaturate by 10%, it is **90.2275, 95.8026, 107.9240**.

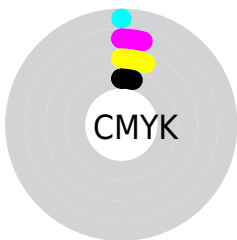
# Distribution



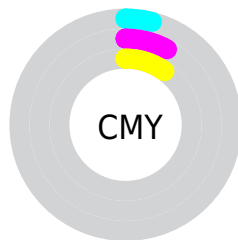
- Red (96%)
- Green (92%)
- Blue (90%)



- Red (96%)
- Yellow (93%)
- Blue (90%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (4%)




- Cyan (4%)
- Magenta (8%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6474, 84.5423, 86.8779 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 81.6474, 84.5423, 86.8779 by changing the saturation by 10% instead.




 81.6474, 84.5423,  
86.8779

 81.6474, 84.5423,  
86.8779


489.1199,  
510.1123, 538.1274

 61.3881, 63.4633,  
64.8351


134.6178,  
139.7335, 144.8913

 44.7921, 46.2161,  
46.8769


168.0596,  
174.6145, 181.6990

 31.4943, 32.4164,  
32.5847


206.6263,  
214.8649, 224.2654

 21.1292, 21.6797,  
21.5400

250.6831,  
260.8692, 273.0091

 13.3315, 13.6218,  
13.3242

300.5956,  
313.0116, 328.3486

 7.7358, 7.8581,  
7.5188

356.7290,

 3.9767, 4.0043,

371.6767, 390.7025

3.7053

419.4486,  
437.2488, 460.4892

■ 1.6890, 1.6759,  
1.4651

■ 0.4494, 0.4080,  
0.1917

■ 81.6474, 84.5423,  
86.8779

■ 81.6474, 84.5423,  
86.8779

■ 73.9847, 74.3408,  
68.5253

■ 90.2275, 95.8026,  
107.9240

■ 67.2008, 65.1561,  
52.7513

■ 91.4666, 98.1527,  
108.7323

■ 61.2646, 56.9594,  
39.4408

■ 56.1403, 49.7162,  
28.4675

■ 51.7896, 43.3902,  
19.6941

■ 48.1706, 37.9425,  
12.9686

■ 45.2368, 33.3307,  
8.1194

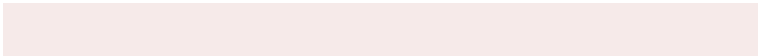
■ 42.9357, 29.5088,  
4.9462

■ 41.2041, 26.4245,  
3.2016

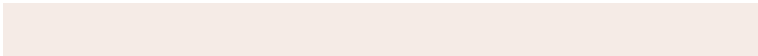
# Harmonies

## Analogous

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



82.4063, 84.5423, 89.3522



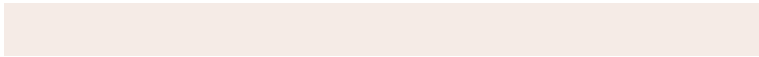
81.6474, 84.5423, 86.8779



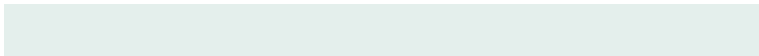
80.5476, 84.5423, 85.7911

# Triad

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



81.6474, 84.5423, 86.8779



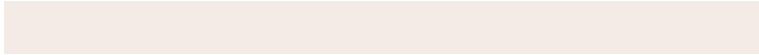
78.1379, 84.5423, 91.5019



81.3108, 84.5423, 98.0018

# Complementary

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



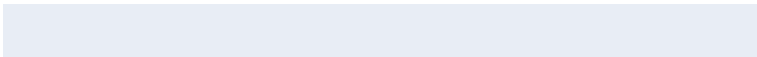
81.6474, 84.5423, 86.8779



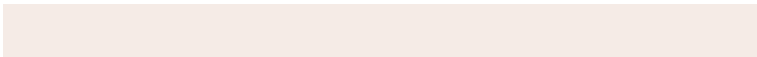
80.2744, 85.7342, 98.7046

# Split Complementary

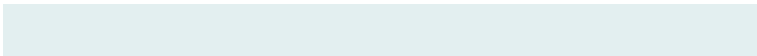
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1625, 84.5423, 98.6108



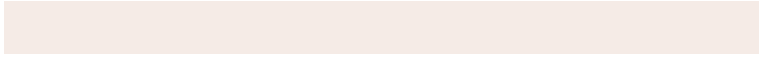
81.6474, 84.5423, 86.8779



78.3378, 84.5423, 94.8060

# Square

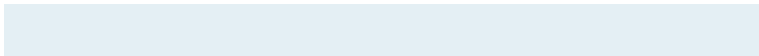
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6474, 84.5423, 86.8779



78.5273, 84.5423, 88.4192



79.0762, 84.5423, 97.4280

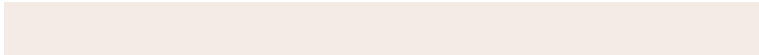


82.2107, 84.5423, 95.7834



# Rectangle

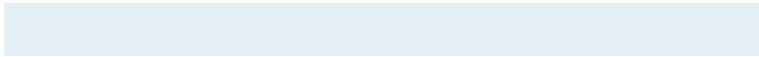
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6474, 84.5423, 86.8779



79.7719, 84.5423, 85.9800



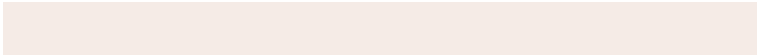
79.0762, 84.5423, 97.4280



80.9408, 84.5423, 98.4037

# Sweetspot

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



81.6498, 84.5460, 86.8797



93.1650, 97.5266, 104.2745



81.6822, 82.2986, 94.0192



19.9609, 20.9007, 22.3675



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

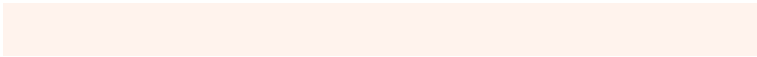


# Same Dimension

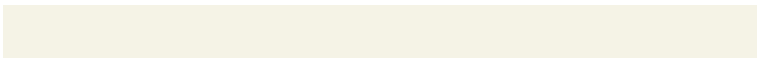
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6498, 84.5460, 86.8797



88.6301, 91.5474, 93.2348



83.8413, 88.9290, 87.6102



17.2724, 17.8122, 18.0351



22.0145, 13.9146, 1.5255

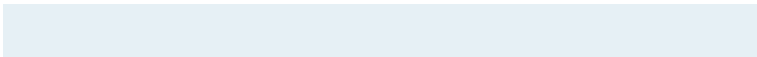


2.0255, 1.4043, 0.1643



# Inverse Universe

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



80.2744, 85.7342, 98.7046



86.9147, 93.0294, 107.9833



78.1133, 81.4119, 97.9842



16.9101, 18.1252, 21.1498



16.0922, 17.9781, 49.1600

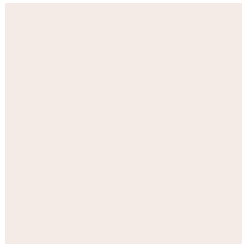


1.5086, 1.7686, 4.3521



# Previews

## White Background



This preview shows how the XYZ color 81.6474, 84.5423, 86.8779 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

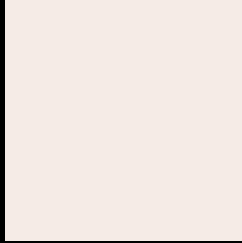
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.6474, 84.5423, 86.8779 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

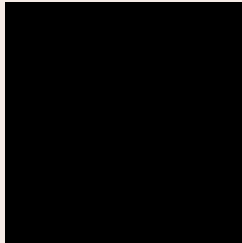
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

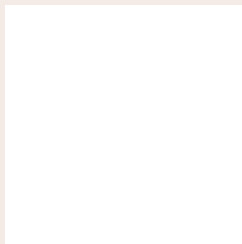
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.6474, 84.5423, 86.8779**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.6474, 84.5423, 86.8779.



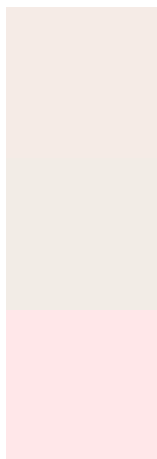
This preview shows how white text looks on a background with the XYZ color 81.6474, 84.5423,

86.8779.

# 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

81.6474, 84.5423, 86.8779

### Protanopia

80.8963, 84.5813, 86.9250

### Deuteranopia

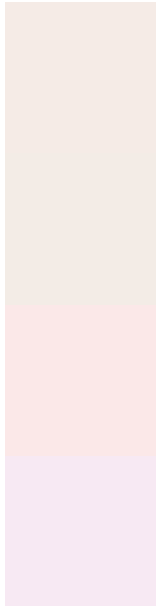
84.5239, 84.2950, 88.9065



## Tritanopia

84.8233, 84.5718, 102.2958

# Trichromacy



## Original Color

81.6474, 84.5423, 86.8779

## Protanomaly

81.2405, 84.7588, 86.9412

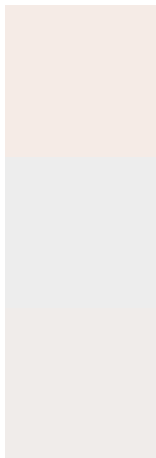
## Deuteranomaly

83.2058, 84.0487, 88.1815

## Tritanomaly

83.6743, 84.5230, 96.6985

# Monochromacy



## Original Color

81.6474, 84.5423, 86.8779

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.7819, 84.4567, 89.8860

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.6474, 84.5423, 86.8779 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, 235, 230) looks like.

```
.text, #text, p{  
    color:rgb(245, 235, 230)  
}
```

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, 235, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 235, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 81.6474, 84.5423, 86.8779 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, 235, 230) }
```



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

```
.border{ border-color:rgb(245, 235, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 235, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 235, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 235, 230);  
box-shadow:4px 4px 4px 4px rgb(245, 235,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.6474, 84.5423, 86.8779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 235, 230) }
```

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

```
.background{ background-color: rgb(245,  
235, 230) }
```

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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