

# Converting Colors

XYZ(80.0886, 82.1023, 84.2973)

Have a look what the booklet for  
XYZ(80.0886, 82.1023, 84.2973)  
contains.

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# **Color**

**XYZ(80.0972, 82.1104,  
84.3004)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E7E3
RGB	245, 231, 227
RGB Percent	96%, 91%, 89%
CMY	0.0392, 0.0941, 0.1098
CMYK	0.00, 0.06, 0.07, 0.04
HSL	13°, 47%, 93%
HSV	13°, 7%, 96%
XYZ	80.0972, 82.1104, 84.3004
YIQ	234.7300, 9.6280, 1.7240

# Conversions

## Conversions Part 2

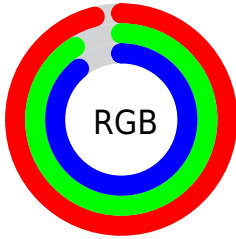
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 232, 227
Decimal	16115683
CIE Lab	92.62, 4.07, 3.63
CIE LCh	93, 5.457, 41.750
Yxy	82.1104, 0.3249, 0.3331
Android (android.graphics.Color)	4294305763 (0xFF5E7E3)
YUV	234.7300, -3.8109, 9.0068
Hunter-Lab	90.6148, -0.7942, 8.2719

# Details

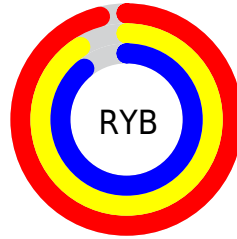
The XYZ color **80.0972, 82.1104, 84.3004** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.6150, 85.8324, 98.7581**, and the grayscale version is **78.7852, 82.8882, 90.2652**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7626, 44.4573, 45.3043** is the 20% darker color. If you saturate the color by 10%, you get **71.9093, 70.7659, 66.0582**, and if you desaturate by 10%, it is **89.3512, 94.8151, 105.2739**.

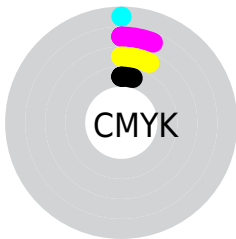
# Distribution



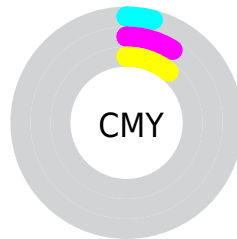
- Red (96%)
- Green (91%)
- Blue (89%)



- Red (96%)
- Yellow (91%)
- Blue (89%)



- Cyan (0%)
- Magenta (6%)
- Yellow (7%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0972, 82.1104, 84.3004 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 80.0972, 82.1104, 84.3004 by changing the saturation by 10% instead.




 80.0972, 82.1104,  
84.3004

 80.0972, 82.1104,  
84.3004

483.9919,  
502.0169, 529.3944

 60.1071, 61.4565,  
62.7167


132.4522,  
136.3288, 141.2608

 43.7547, 44.5937,  
45.1725


165.5478,  
170.6621, 177.4745

 30.6748, 31.1375,  
31.2494


203.7426,  
210.3241, 219.4020

 20.5020, 20.7036,  
20.5288

247.4019,  
255.6991, 267.4617

 12.8708, 12.9075,  
12.5921

296.8911,  
307.1714, 322.0723

 7.4160, 7.3649,  
7.0209

352.5756,

 3.7723, 3.6913,

365.1256, 383.6522

3.3965

414.8208,  
429.9460, 452.6201

■ 1.5741, 1.5024,  
1.3005

■ 0.3755, 0.2904,  
0.0622

■ 80.0972, 82.1104,  
84.3004

■ 80.0972, 82.1104,  
84.3004

■ 71.9093, 70.7659,  
66.0582

■ 89.3512, 94.8151,  
105.2739

■ 64.7420, 60.7258,  
50.4293

■ 91.4665, 98.1527,  
108.7323

■ 58.5563, 51.9462,  
37.2949

■ 53.3085, 44.3764,  
26.5252

■ 48.9509, 37.9626,  
17.9781

■ 45.4319, 32.6467,  
11.4965

■ 42.6941, 28.3650,  
6.9025

■ 40.6718, 25.0474,  
3.9874

■ 39.2851, 22.6127,  
2.4808

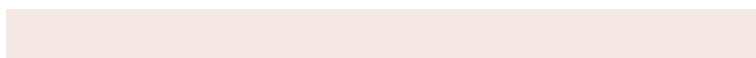
# Harmonies

## Analogous

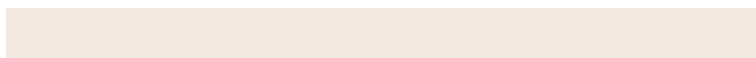
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7459, 82.1104, 87.8222



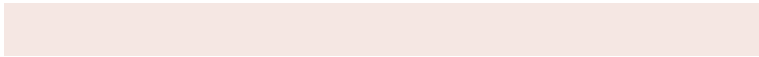
80.0972, 82.1104, 84.3004



78.9012, 82.1104, 82.1854

# Triad

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



80.0972, 82.1104, 84.3004



75.4804, 82.1104, 86.9789



78.6005, 82.1104, 97.2764

# Complementary

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



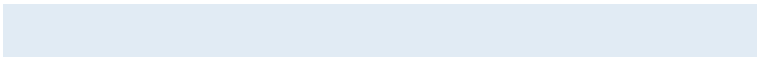
80.0972, 82.1104, 84.3004



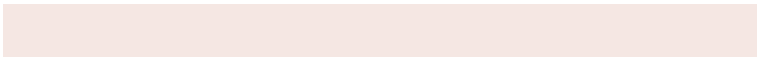
79.6150, 85.8324, 98.7581

# 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.



77.1920, 82.1104, 97.0340



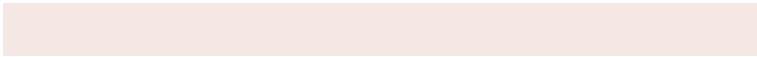
80.0972, 82.1104, 84.3004



75.4021, 82.1104, 91.0053

# Square

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



80.0972, 82.1104, 84.3004



76.2404, 82.1104, 83.6992



76.0252, 82.1104, 94.7101



79.8748, 82.1104, 95.3628



# Rectangle

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



80.0972, 82.1104, 84.3004



77.9602, 82.1104, 81.8177



76.0252, 82.1104, 94.7101



78.1268, 82.1104, 97.4459

# Sweetspot

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



80.0995, 82.1140, 84.3022



92.9876, 97.1718, 104.2154



81.0184, 80.7087, 94.6065



19.9248, 20.8285, 22.3554



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

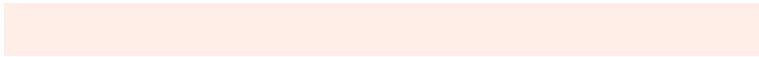


# Same Dimension

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



80.0995, 82.1140, 84.3022



86.1419, 87.7476, 88.7780



82.6529, 87.2208, 85.1533



16.7981, 17.0803, 17.2090



21.0935, 12.0725, 1.2185



1.9275, 1.2082, 0.1316

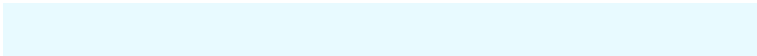


# Inverse Universe

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



79.6150, 85.8324, 98.7581



85.4977, 92.6897, 107.9924



77.0459, 80.6942, 97.9018



16.6657, 18.0957, 21.1570



18.9642, 23.7221, 50.1173

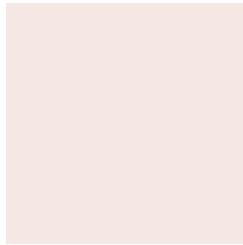


1.7419, 2.2352, 4.4299



# Previews

## White Background



This preview shows how the XYZ color 80.0972, 82.1104, 84.3004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

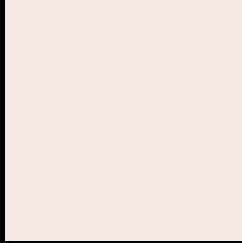
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0972, 82.1104, 84.3004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

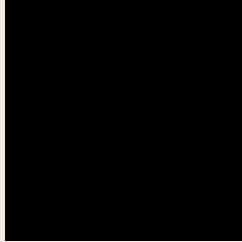
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

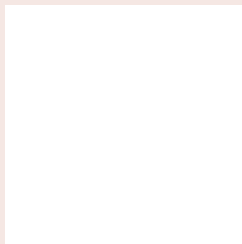
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.0972, 82.1104, 84.3004

## Background



This preview shows how black text looks on a background with the XYZ color 80.0972, 82.1104, 84.3004.



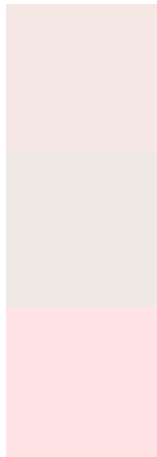
This preview shows how white text looks on a background with the XYZ color 80.0972, 82.1104,

84.3004.

# 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

80.0972, 82.1104, 84.3004

### Protanopia

78.7391, 82.2300, 85.1208

### Deuteranopia

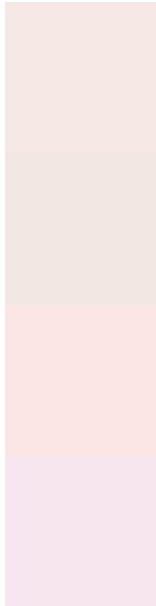
82.8519, 81.8553, 85.5616



## Tritanopia

83.0894, 82.0971, 98.6558

# Trichromacy



## Original Color

80.0972, 82.1104, 84.3004

## Protanomaly

79.1358, 82.0154, 85.0584

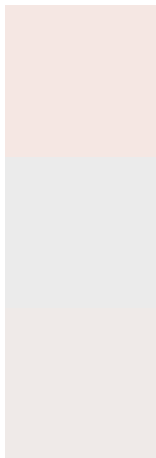
## Deuteranomaly

81.5307, 81.5975, 84.8515

## Tritanomaly

81.9571, 82.0448, 93.1780

# Monochromacy



## Original Color

80.0972, 82.1104, 84.3004

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.5849, 83.0226, 88.1743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0972, 82.1104, 84.3004 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, 231, 227) looks like.

```
.text, #text, p{  
    color:rgb(245, 231, 227)  
}
```

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, 231, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 231, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0972, 82.1104, 84.3004 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, 231, 227) }
```



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

```
.border{ border-color:rgb(245, 231, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 231, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 231, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 231, 227);  
box-shadow:4px 4px 4px 4px rgb(245, 231,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0972, 82.1104, 84.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 231, 227) }
```

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

```
.background{ background-color: rgb(245,  
231, 227) }
```

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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