

# Converting Colors

XYZ(98.8828, 90.4760, 85.4641)

Have a look what the booklet for  
XYZ(98.8828, 90.4760, 85.4641)  
contains.

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# Color

**XYZ(82.9870, 82.3482,  
84.9197)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE4E4
RGB	255, 228, 228
RGB Percent	100%, 89%, 89%
CMY	0.0000, 0.1059, 0.1059
CMYK	0.00, 0.11, 0.11, 0.00
HSL	0°, 100%, 95%
HSV	0°, 11%, 100%
XYZ	82.9870, 82.3482, 84.9197
YIQ	236.0730, 16.0920, 5.7240

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 228, 228
Decimal	16770276
CIE Lab	92.73, 9.23, 3.37
CIE LCh	93, 9.827, 20.030
Yxy	82.3482, 0.3316, 0.3291
Android (android.graphics.Color)	4294960356 (0xFFFFE4E4)
YUV	236.0730, -3.9800, 16.5990
Hunter-Lab	90.7459, 4.4326, 8.0388

# Details

The XYZ color **82.9870, 82.3482, 84.9197** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **85.8040, 95.2315, 108.4669**, and the grayscale version is **79.8072, 83.9634, 91.4362**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7751, 44.9100, 45.7911** is the 20% darker color. If you saturate the color by 10%, you get **73.2006, 68.0289, 65.4618**, and if you desaturate by 10%, it is **94.3336, 98.9517, 107.4757**.

# Distribution



Red (100%)

Green (89%)

Blue (89%)



Red (100%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9870, 82.3482, 84.9197 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 82.9870, 82.3482, 84.9197 by changing the saturation by 10% instead.




 82.9870, 82.3482,  
84.9197

 82.9870, 82.3482,  
84.9197


493.5278,  
502.8117, 531.5000

 62.4963, 61.6526,  
63.2253

136.4859,  
136.6622, 142.1341

 45.6910, 44.7520,  
45.5813


170.2248,  
171.0494, 178.4912

 32.2056, 31.2622,  
31.5693


209.1104,  
210.7692, 220.5730

 21.6749, 20.7986,  
20.7706

253.5082,  
256.2060, 268.7979

 13.7335, 12.9768,  
12.7668

303.7835,  
307.7443, 323.5845

 8.0160, 7.4126,  
7.1393

360.3016,

 4.1571, 3.7214,

365.7684, 385.3513

3.4696

423.4279,  
430.6627, 454.5170

■ 1.7914, 1.5190,  
1.3391

■ 0.5125, 0.3020,  
0.0936

■ 82.9870, 82.3482,  
84.9197

■ 82.9870, 82.3482,  
84.9197

■ 73.2006, 68.0289,  
65.4618

94.3336, 98.9517,  
107.4757

■ 64.9009, 55.8843,  
48.9619

95.0500, 100.0000,  
108.9000

■ 58.0170, 45.8111,  
35.2768

■ 52.4697, 37.6938,  
24.2494

■ 48.1725, 31.4055,  
15.7072

■ 45.0282, 26.8043,  
9.4574

■ 42.9258, 23.7276,  
5.2790

■ 41.7323, 21.9808,  
2.9074

■ 41.2404, 21.2609,  
1.9301

# Harmonies

## Analogous

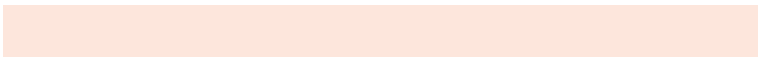
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2196, 82.3482, 92.1267



82.9870, 82.3482, 84.9197



81.4751, 82.3482, 79.2850

# Triad

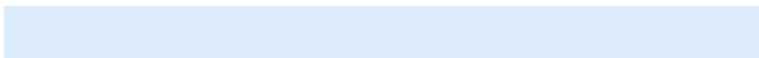
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9870, 82.3482, 84.9197



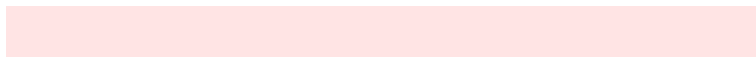
74.5565, 82.3482, 80.9066



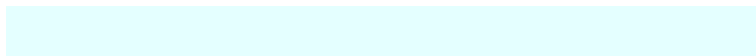
77.4201, 82.3482, 104.2804

# Complementary

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



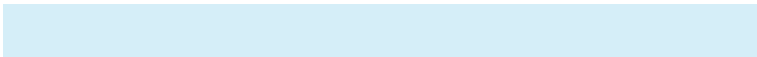
82.9870, 82.3482, 84.9197



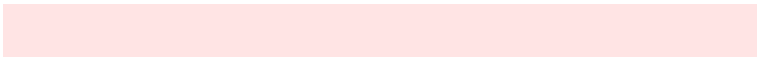
85.8040, 95.2315, 108.4669

# 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.



75.1491, 82.3482, 100.9097



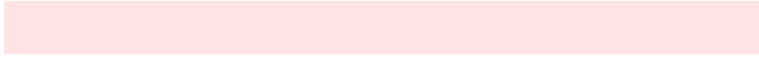
82.9870, 82.3482, 84.9197



73.5197, 82.3482, 87.2440

# Square

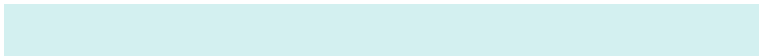
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9870, 82.3482, 84.9197



76.5952, 82.3482, 77.0571



73.7342, 82.3482, 94.5801



79.9680, 82.3482, 103.5743

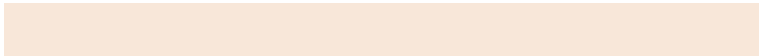


# Rectangle

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



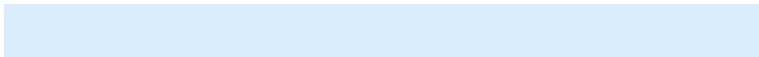
82.9870, 82.3482, 84.9197



79.9631, 82.3482, 77.0525



73.7342, 82.3482, 94.5801



76.6000, 82.3482, 103.5798

# Sweetspot

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



82.9889, 82.3516, 84.9214



91.4509, 94.7336, 101.7446



87.0338, 83.9677, 106.2279



19.3736, 19.9833, 21.3786



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.



82.9889, 82.3516, 84.9214



80.4876, 78.6916, 79.9487



86.8476, 90.0690, 86.2077



18.0097, 17.9876, 18.6671



21.5491, 11.1095, 1.0086



2.0982, 1.0818, 0.0982



# Inverse Universe

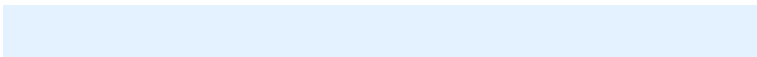
The Inverse Universe completely reimagines the original color for something new.



85.8040, 95.2315, 108.4669



83.8866, 94.2425, 108.3771



81.6492, 86.9217, 107.0819



18.5547, 20.4810, 23.2252



28.1101, 41.1299, 55.8919

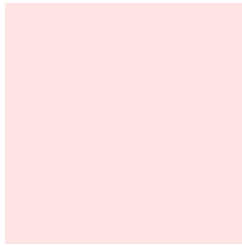


2.7371, 4.0048, 5.4420



# Previews

## White Background



This preview shows how the XYZ color 82.9870, 82.3482, 84.9197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

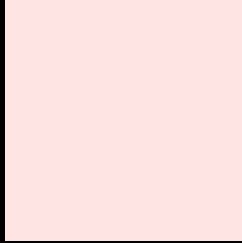
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.9870, 82.3482, 84.9197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

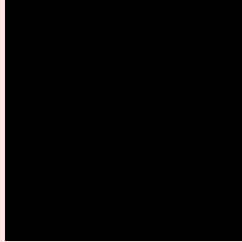
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.9870, 82.3482, 84.9197**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.9870, 82.3482, 84.9197.



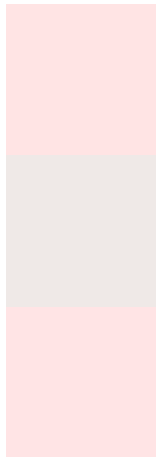
This preview shows how white text looks on a background with the XYZ color 82.9870, 82.3482,

84.9197.

# 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

82.9870, 82.3482, 84.9197

### Protanopia

79.1593, 82.3981, 87.3336

### Deuteranopia

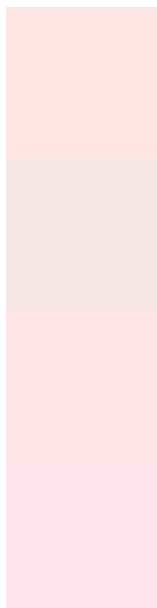
83.1263, 82.4039, 85.6531



## Tritanopia

84.4634, 82.0635, 95.3925

# Trichromacy



## Original Color

82.9870, 82.3482, 84.9197

## Protanomaly

80.5150, 82.2775, 86.5005

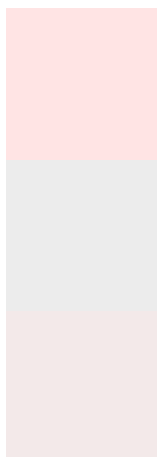
## Deuteranomaly

83.1263, 82.4039, 85.6531

## Tritanomaly

83.9951, 82.3126, 91.5817

# Monochromacy



## Original Color

82.9870, 82.3482, 84.9197

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.8090, 83.2157, 88.8939

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.9870, 82.3482, 84.9197 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(255, 228, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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(255, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 82.9870, 82.3482, 84.9197 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(255, 228, 228) }
```



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

```
.border{ border-color:rgb(255, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.9870, 82.3482, 84.9197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 228) }
```

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

```
.background{ background-color: rgb(255,  
228, 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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