

# Converting Colors

XYZ(86.9918, 86.6894, 86.9278)

Have a look what the booklet for  
XYZ(86.9918, 86.6894, 86.9278)  
contains.

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# Color

**XYZ(84.9457, 85.8188,  
86.9505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAE6
RGB	255, 234, 230
RGB Percent	100%, 92%, 90%
CMY	0.0000, 0.0823, 0.0980
CMYK	0.00, 0.08, 0.10, 0.00
HSL	10°, 100%, 95%
HSV	10°, 10%, 100%
XYZ	84.9457, 85.8188, 86.9505
YIQ	239.8230, 13.8000, 3.2080

# Conversions

## Conversions Part 2

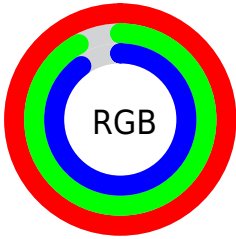
Format	Color
R <sub>Y</sub> B	255, 235, 230
Decimal	16771814
CIE Lab	94.23, 6.47, 4.51
CIE LCh	94, 7.885, 34.864
Yxy	85.8188, 0.3296, 0.3330
Android (android.graphics.Color)	4294961894 (0xFFFFEAE6)
YUV	239.8230, -4.8427, 13.3102
Hunter-Lab	92.6384, 1.5600, 9.1973

# Details

The XYZ color **84.9457, 85.8188, 86.9505** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1795, 93.0349, 108.0758**, and the grayscale version is **82.7169, 87.0246, 94.7698**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9470, 46.9417, 47.1437** is the 20% darker color. If you saturate the color by 10%, you get **75.8909, 73.0267, 67.5384**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

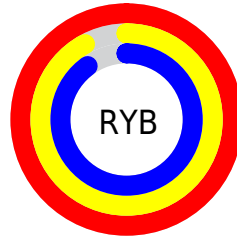
# Distribution



Red (100%)

Green (92%)

Blue (90%)



Red (100%)

Yellow (92%)

Blue (90%)

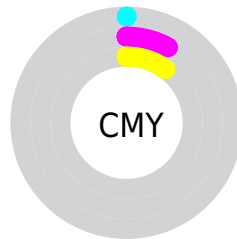


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9457, 85.8188, 86.9505 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 84.9457, 85.8188, 86.9505 by changing the saturation by 10% instead.




 84.9457, 85.8188,  
86.9505

 84.9457, 85.8188,  
86.9505


499.9348,  
514.3335, 538.3722

 64.1189, 64.5181,  
64.8949


139.2117,  
141.5166, 144.9934

 47.0090, 47.0705,  
46.9250

173.3816,  
176.6825, 181.8177

 33.2507, 33.0914,  
32.6225


212.7299,  
217.2390, 224.4021

 22.4788, 22.1964,  
21.5686

257.6220,  
263.5705, 273.1649

 14.3277, 14.0013,  
13.3450

308.4231,  
316.0612, 328.5248

 8.4321, 8.1216,  
7.5330

365.4987,

 4.4268, 4.1728,

375.0957, 390.9003

3.7142

429.2142,  
441.0584, 460.7099

■ 1.9463, 1.7707,  
1.4699

■ 0.6035, 0.4688,  
0.1953

■ 84.9457, 85.8188,  
86.9505

■ 84.9457, 85.8188,  
86.9505

■ 75.8909, 73.0267,  
67.5384

95.0500, 100.0000,  
108.9000

■ 68.0460, 61.8530,  
51.0011

■ 61.3612, 52.2363,  
37.2032

■ 55.7806, 44.1069,  
25.9962

■ 51.2436, 37.3900,  
17.2174

■ 47.6838, 32.0042,  
10.6857

■ 45.0267, 27.8596,  
6.1945

■ 43.1866, 24.8548,  
3.4986

■ 42.0450, 22.8657,  
2.2119

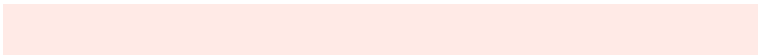
# Harmonies

## Analogous

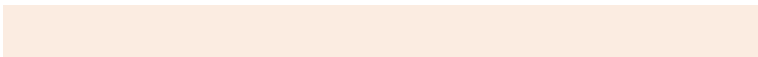
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6816, 85.8188, 92.4594



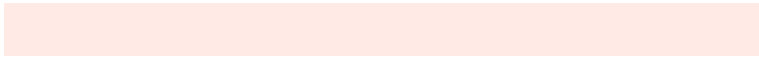
84.9457, 85.8188, 86.9505



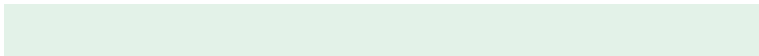
83.3053, 85.8188, 83.3040

# Triad

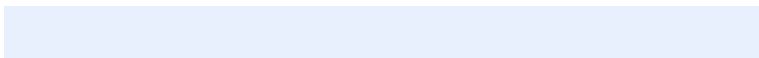
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9457, 85.8188, 86.9505



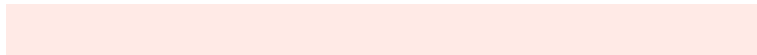
77.9469, 85.8188, 88.5887



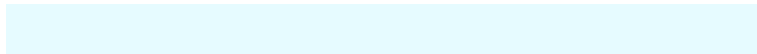
81.9130, 85.8188, 105.5157

# Complementary

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



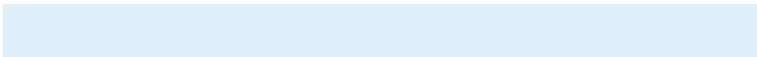
84.9457, 85.8188, 86.9505



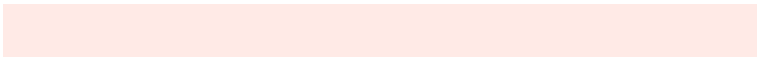
85.1795, 93.0349, 108.0758

# 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.



79.8554, 85.8188, 104.3710



84.9457, 85.8188, 86.9505



77.5885, 85.8188, 94.4317

# Square

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



84.9457, 85.8188, 86.9505



79.2689, 85.8188, 84.2208



78.2814, 85.8188, 100.2490

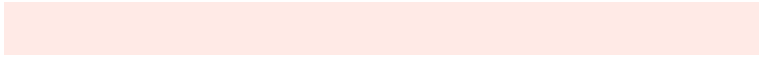


83.9116, 85.8188, 103.3130



# Rectangle

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



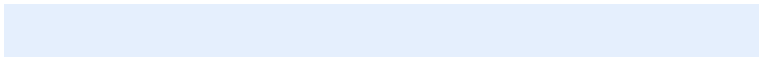
84.9457, 85.8188, 86.9505



81.9322, 85.8188, 82.3310



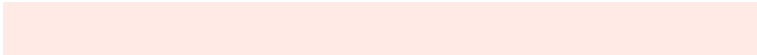
78.2814, 85.8188, 100.2490



81.2052, 85.8188, 105.5104

# Sweetspot

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



84.9477, 85.8224, 86.9523



91.8272, 95.4862, 101.8700



86.9894, 84.8354, 103.2638



19.4747, 20.1854, 21.4123



0.0000, 0.0000, 0.0000

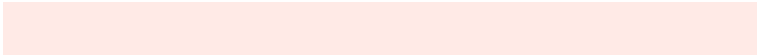


20.3446, 21.4041, 23.3091

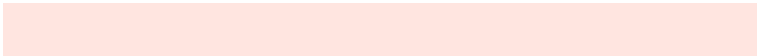


# Same Dimension

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



84.9477, 85.8224, 86.9523



82.8518, 82.8693, 82.4344



88.5552, 93.0374, 88.1548



18.2443, 18.4568, 18.7453



22.0293, 12.0699, 1.1686

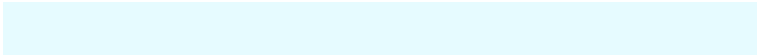


2.2090, 1.3033, 0.1351

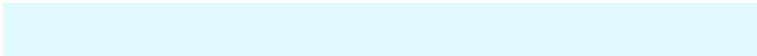


# Inverse Universe

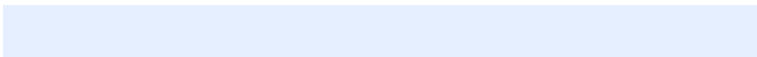
The Inverse Universe completely reimagines the original color for something new.



85.1795, 93.0349, 108.0758



83.1307, 91.5636, 107.8998



81.4774, 85.6306, 106.8418



18.2925, 19.9567, 23.1378



22.1090, 29.1276, 53.8915

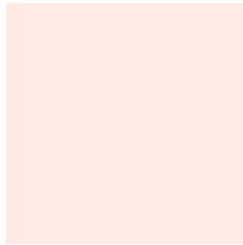


2.2161, 2.9629, 5.2684



# Previews

## White Background



This preview shows how the XYZ color 84.9457, 85.8188, 86.9505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

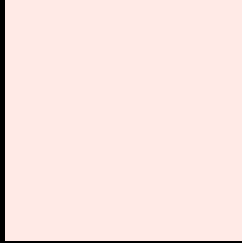
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9457, 85.8188, 86.9505 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

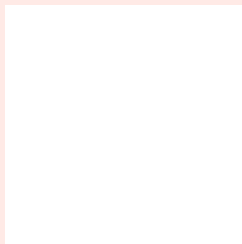
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.9457, 85.8188, 86.9505

## Background



This preview shows how black text looks on a background with the XYZ color 84.9457, 85.8188, 86.9505.



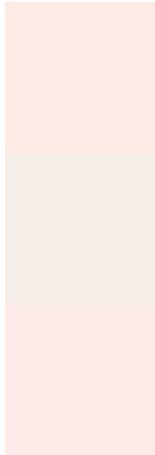
This preview shows how white text looks on a background with the XYZ color 84.9457, 85.8188,



# 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

84.9457, 85.8188, 86.9505

### Protanopia

82.1579, 85.6277, 88.5415

### Deuteranopia

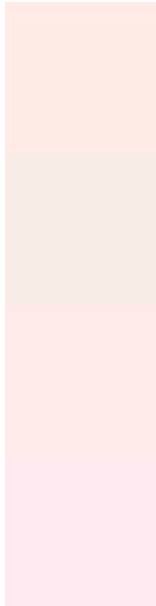
85.5141, 86.0462, 89.9434



## Tritanopia

87.0399, 85.7505, 100.7709

# Trichromacy



## Original Color

84.9457, 85.8188, 86.9505

## Protanomaly

83.1307, 85.7169, 87.7649

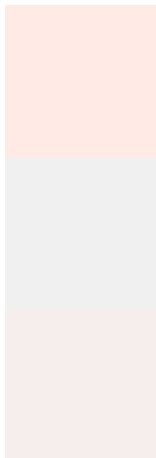
## Deuteranomaly

85.3708, 85.9888, 89.1888

## Tritanomaly

86.2561, 85.8887, 95.2511

# Monochromacy



## Original Color

84.9457, 85.8188, 86.9505

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

83.3710, 86.6177, 91.6816

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9457, 85.8188, 86.9505 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, 234, 230) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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(255, 234, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9457, 85.8188, 86.9505 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, 234, 230) }
```



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

```
.border{ border-color:rgb(255, 234, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9457, 85.8188, 86.9505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 230) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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