

# Converting Colors

XYZ(85.0250, 86.4238, 85.6000)

Have a look what the booklet for  
XYZ(85.0250, 86.4238, 85.6000)  
contains.

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# Color

**XYZ(84.9519, 86.2781,  
85.5747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBE4
RGB	255, 235, 228
RGB Percent	100%, 92%, 89%
CMY	0.0000, 0.0784, 0.1059
CMYK	0.00, 0.08, 0.11, 0.00
HSL	16°, 100%, 95%
HSV	16°, 11%, 100%
XYZ	84.9519, 86.2781, 85.5747
YIQ	240.1820, 14.1670, 2.0630

# Conversions

## Conversions Part 2

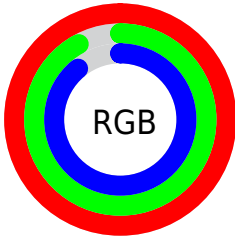
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 237, 228
Decimal	16772068
CIE Lab	94.43, 5.64, 5.83
CIE LCh	94, 8.108, 45.971
Yxy	86.2781, 0.3308, 0.3360
Android (android.graphics.Color)	4294962148 (0xFFFFE4E4)
YUV	240.1820, -6.0057, 12.9954
Hunter-Lab	92.8860, 0.7024, 10.3971

# Details

The XYZ color **84.9519, 86.2781, 85.5747** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.6115, 90.8463, 107.7360**, and the grayscale version is **83.0065, 87.3293, 95.1016**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9516, 47.2631, 46.1832** is the 20% darker color. If you saturate the color by 10%, you get **76.5473, 74.7223, 66.5774**, and if you desaturate by 10%, it is **94.4567, 99.1980, 107.5168**.

# Distribution



Red (100%)

Green (92%)

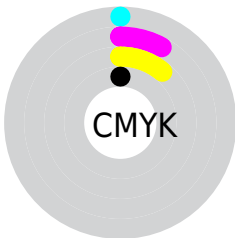
Blue (89%)



Red (100%)

Yellow (93%)

Blue (89%)



Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9519, 86.2781, 85.5747 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 84.9519, 86.2781, 85.5747 by changing the saturation by 10% instead.




 84.9519, 86.2781,  
85.5747

 84.9519, 86.2781,  
85.5747


499.9550,  
515.8478, 533.7219

 64.1240, 64.8980,  
63.7635


139.2203,  
142.1575, 143.0571

 47.0132, 47.3783,  
46.0142


173.3916,  
177.4256, 179.5654

 33.2541, 33.3349,  
31.9083

212.7413,  
218.0917, 221.8098

 22.4813, 22.3831,  
21.0272

257.6349,  
264.5404, 270.2088

 14.3296, 14.1387,  
12.9524

308.4378,  
317.1559, 325.1809

 8.4335, 8.2172,  
7.2655

365.5151,

 4.4277, 4.2342,

376.3227, 387.1448

3.5477

429.2324,  
442.4252, 456.5190

■ 1.9468, 1.8054,  
1.3807

■ 0.6038, 0.4906,  
0.1266

■ 84.9519, 86.2781,  
85.5747

■ 84.9519, 86.2781,  
85.5747

■ 76.5473, 74.7223,  
66.5774

94.4567, 99.1980,  
107.5168

■ 69.1962, 64.4749,  
50.3937

95.0500, 100.0000,  
108.9000

■ 62.8575, 55.4923,  
36.8904

■ 57.4850, 47.7243,  
25.9212

■ 53.0284, 41.1174,  
17.3258

■ 49.4329, 35.6136,  
10.9256

■ 46.6370, 31.1500,  
6.5161

■ 44.5699, 27.6560,  
3.8533

■ 43.1974, 25.1748,  
2.5825

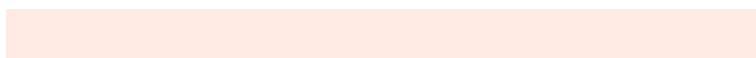
# Harmonies

## Analogous

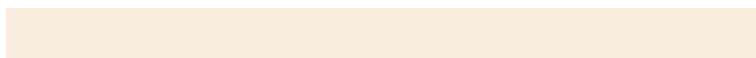
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0999, 86.2781, 90.6784



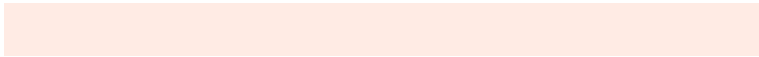
84.9519, 86.2781, 85.5747



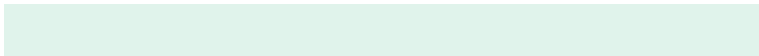
83.0248, 86.2781, 82.7730

# Triad

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



84.9519, 86.2781, 85.5747



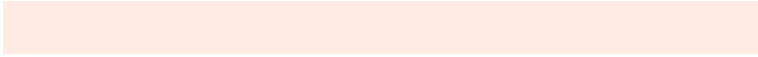
78.0060, 86.2781, 91.0628



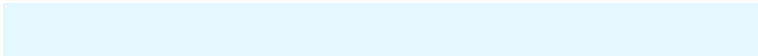
83.1632, 86.2781, 105.9593

# Complementary

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



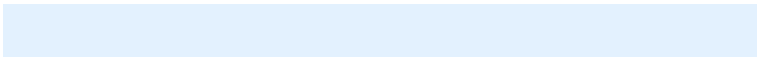
84.9519, 86.2781, 85.5747



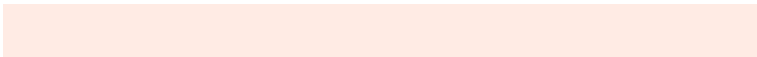
83.6115, 90.8463, 107.7360

# 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.



80.9931, 86.2781, 106.0734



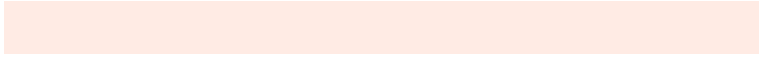
84.9519, 86.2781, 85.5747



78.0415, 86.2781, 97.2833

# Square

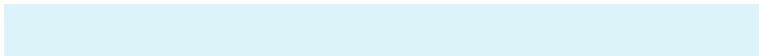
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9519, 86.2781, 85.5747



79.0285, 86.2781, 85.8453



79.1266, 86.2781, 102.8381



85.0548, 86.2781, 102.5328



# Rectangle

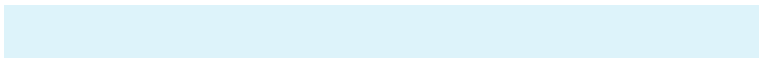
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9519, 86.2781, 85.5747



81.5696, 86.2781, 82.5042



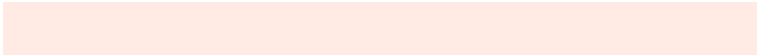
79.1266, 86.2781, 102.8381



82.4415, 86.2781, 106.3913

# Sweetspot

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



84.9539, 86.2817, 85.5765



92.0618, 95.9555, 101.9482



85.9660, 83.5406, 100.6048



19.5378, 20.3116, 21.4333



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

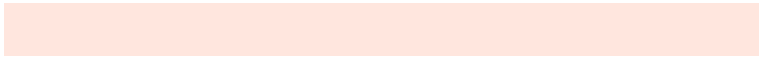


# Same Dimension

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



84.9539, 86.2817, 85.5765



82.8270, 83.3706, 80.7286



88.8883, 94.1504, 86.8880



18.3924, 18.7531, 18.7947



22.6731, 13.3575, 1.3832

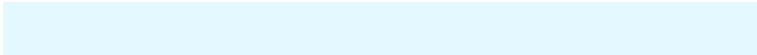


2.2915, 1.4684, 0.1627

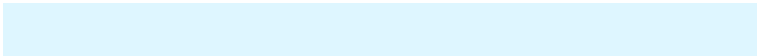


# Inverse Universe

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



83.6115, 90.8463, 107.7360



81.2057, 88.8808, 107.4835



79.6826, 82.9886, 106.4264



18.1326, 19.6368, 23.0845



19.0499, 23.0093, 52.8718

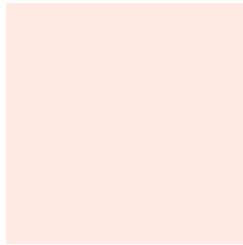


1.9433, 2.4172, 5.1774



# Previews

## White Background



This preview shows how the XYZ color 84.9519, 86.2781, 85.5747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

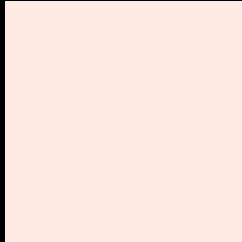
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9519, 86.2781, 85.5747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

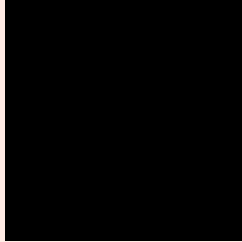
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.9519, 86.2781, 85.5747**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.9519, 86.2781, 85.5747.



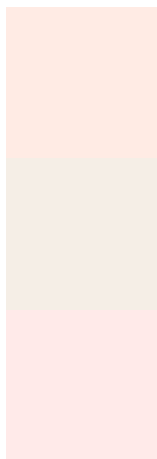
This preview shows how white text looks on a background with the XYZ color 84.9519, 86.2781,



# 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

84.9519, 86.2781, 85.5747

### Protanopia

82.5137, 86.2747, 87.1667

### Deuteranopia

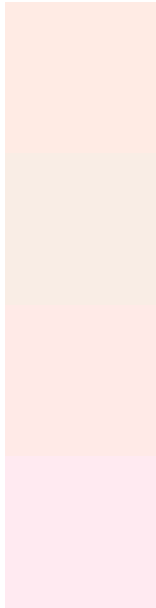
85.3708, 85.9888, 89.1888



## Tritanopia

87.3222, 86.3151, 100.8650

# Trichromacy



## Original Color

84.9519, 86.2781, 85.5747

## Protanomaly

83.4940, 86.3653, 86.3983

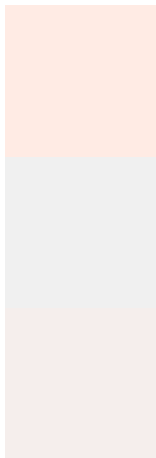
## Deuteranomaly

85.0866, 85.8752, 87.6923

## Tritanomaly

86.5400, 86.4565, 95.3457

# Monochromacy



## Original Color

84.9519, 86.2781, 85.5747

## 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 84.9519, 86.2781, 85.5747 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, 235, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9519, 86.2781, 85.5747 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, 235, 228) }
```



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

```
.border{ border-color:rgb(255, 235, 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, 235, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9519, 86.2781, 85.5747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 228) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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