

# Converting Colors

XYZ(103.1840, 94.7417,  
87.6307)

Have a look what the booklet for  
XYZ(103.1840, 94.7417, 87.6307)  
contains.

<b>XYZ(84.6618, 85.2510, 86.8558)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.6618, 85.2510,  
86.8558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9E6
RGB	255, 233, 230
RGB Percent	100%, 91%, 90%
CMY	0.0000, 0.0863, 0.0980
CMYK	0.00, 0.09, 0.10, 0.00
HSL	7°, 100%, 95%
HSV	7°, 10%, 100%
XYZ	84.6618, 85.2510, 86.8558
YIQ	239.2360, 14.0750, 3.7310

# Conversions

## Conversions Part 2

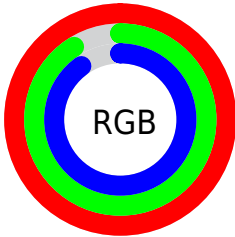
Format	Color
R <sub>Y</sub> B	255, 233, 230
Decimal	16771558
CIE Lab	93.99, 6.98, 4.15
CIE LCh	94, 8.125, 30.752
Yxy	85.2510, 0.3297, 0.3320
Android (android.graphics.Color)	4294961638 (0xFFFE9E6)
YUV	239.2360, -4.5533, 13.8250
Hunter-Lab	92.3315, 2.0925, 8.8582

# Details

The XYZ color **84.6618, 85.2510, 86.8558** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4926, 93.6612, 108.1802**, and the grayscale version is **82.2563, 86.5401, 94.2421**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7487, 46.5452, 47.0776** is the 20% darker color. If you saturate the color by 10%, you get **75.3872, 72.0194, 67.3705**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



Red (100%)

Green (91%)

Blue (90%)



Red (100%)

Yellow (91%)

Blue (90%)



Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6618, 85.2510, 86.8558 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 84.6618, 85.2510, 86.8558 by changing the saturation by 10% instead.



 84.6618, 85.2510,  
86.8558

 84.6618, 85.2510,  
86.8558


499.0089,  
512.4582, 538.0528

 63.8835, 64.0488,  
64.8169


138.8170,  
140.7238, 144.8602

 46.8177, 46.6902,  
46.8623


172.9247,  
175.7632, 181.6629

 33.0989, 32.7908,  
32.5732

212.2062,  
216.1838, 224.2239

 22.3618, 21.9662,  
21.5313

257.0269,  
262.3699, 272.9617

 14.2411, 13.8321,  
13.3179

307.7522,  
314.7061, 328.2950

 8.3714, 8.0040,  
7.5145

364.7474,

 4.3873, 4.0975,

373.5766, 390.6423

3.7026

428.3778,  
439.3658, 460.4220

■ 1.9235, 1.7282,  
1.4637

■ 0.5904, 0.4418,  
0.1906

■ 84.6618, 85.2510,  
86.8558

■ 84.6618, 85.2510,  
86.8558

■ 75.3872, 72.0194,  
67.3705

95.0500, 100.0000,  
108.9000

■ 67.3891, 60.5392,  
50.7821

■ 60.6132, 50.7402,  
36.9538

■ 54.9988, 42.5433,  
25.7355

■ 50.4800, 35.8628,  
16.9628

■ 46.9844, 30.6053,  
10.4525

■ 44.4303, 26.6668,  
5.9957

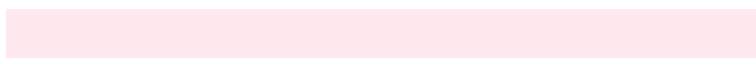
■ 42.7236, 23.9289,  
3.3443

■ 41.7351, 22.2458,  
2.1086

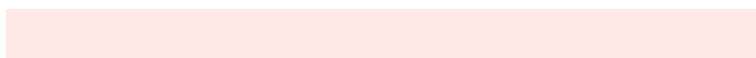
# Harmonies

## Analogous

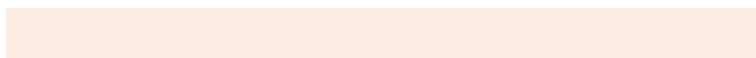
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2660, 85.2510, 92.6674



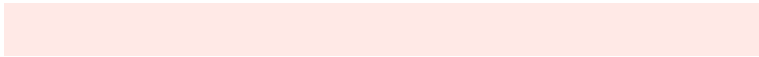
84.6618, 85.2510, 86.8558



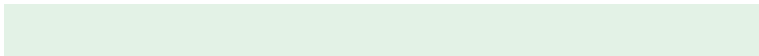
83.0811, 85.2510, 82.7979

# Triad

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



84.6618, 85.2510, 86.8558



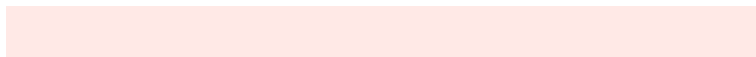
77.4477, 85.2510, 87.1154



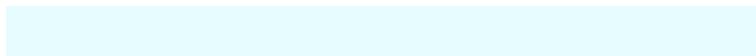
81.0832, 85.2510, 105.2726

# Complementary

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



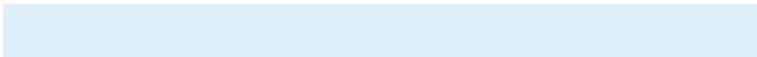
84.6618, 85.2510, 86.8558



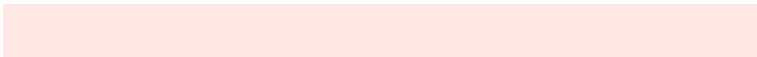
85.4926, 93.6612, 108.1802

# 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.



79.0100, 85.2510, 103.6281



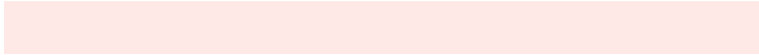
84.6618, 85.2510, 86.8558



76.9338, 85.2510, 92.9805

# Square

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



84.6618, 85.2510, 86.8558



78.9169, 85.2510, 82.9431



77.5007, 85.2510, 99.0592

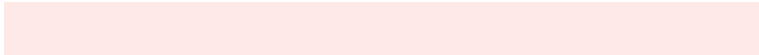


83.1774, 85.2510, 103.4597

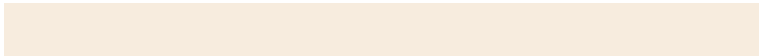


# Rectangle

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



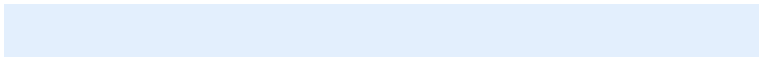
84.6618, 85.2510, 86.8558



81.6999, 85.2510, 81.5386



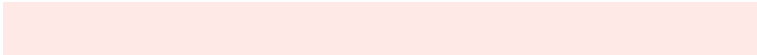
77.5007, 85.2510, 99.0592



80.3608, 85.2510, 105.1051

# Sweetspot

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



84.6638, 85.2546, 86.8576



91.7329, 95.2976, 101.8386



87.1212, 84.8881, 103.9581



19.4493, 20.1347, 21.4039



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

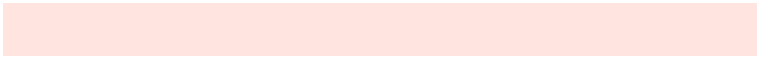


# Same Dimension

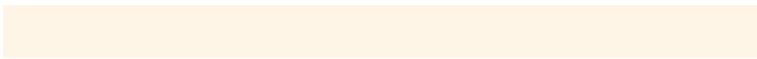
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6638, 85.2546, 86.8576



82.5137, 82.1932, 82.3217



88.3019, 92.5309, 88.0703



18.1852, 18.3386, 18.7256



21.8549, 11.7211, 1.1105

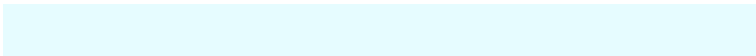


2.1813, 1.2480, 0.1259



# Inverse Universe

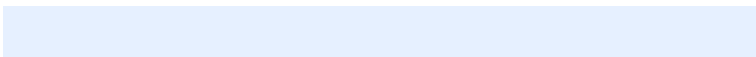
The Inverse Universe completely reimagines the original color for something new.



85.4926, 93.6612, 108.1802



83.5125, 92.3271, 108.0271



81.7215, 86.1190, 106.9232



18.3575, 20.0867, 23.1595



23.4829, 31.8754, 54.3495

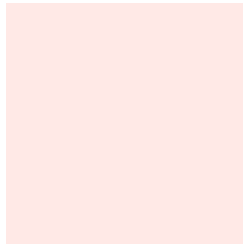


2.3368, 3.2042, 5.3086



# Previews

## White Background



This preview shows how the XYZ color 84.6618, 85.2510, 86.8558 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

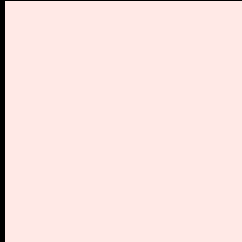
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.6618, 85.2510, 86.8558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

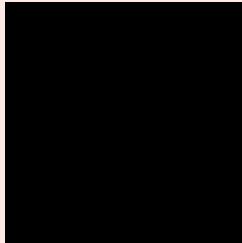
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

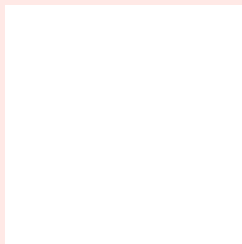
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.6618, 85.2510, 86.8558**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.6618, 85.2510, 86.8558.



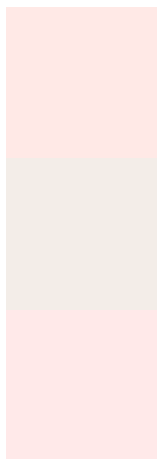
This preview shows how white text looks on a background with the XYZ color 84.6618, 85.2510,

86.8558.

# 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

84.6618, 85.2510, 86.8558

### Protanopia

81.8118, 85.4493, 88.5253

### Deuteranopia

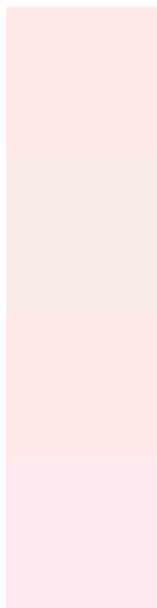
85.0869, 85.4210, 89.0941



## Tritanopia

86.6044, 85.1272, 99.8623

# Trichromacy



## Original Color

84.6618, 85.2510, 86.8558

## Protanomaly

82.7770, 85.5346, 87.7483

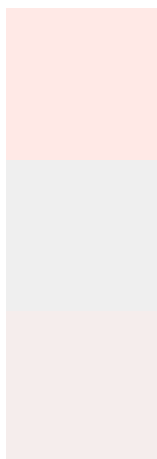
## Deuteranomaly

84.9444, 85.3640, 88.3438

## Tritanomaly

85.9738, 85.3241, 95.1570

# Monochromacy



## Original Color

84.6618, 85.2510, 86.8558

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

83.0807, 86.0370, 91.5849

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.6618, 85.2510, 86.8558 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, 233, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 84.6618, 85.2510, 86.8558 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, 233, 230) }
```



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

```
.border{ border-color:rgb(255, 233, 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, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.6618, 85.2510, 86.8558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 230) }
```

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

```
.background{ background-color: rgb(255,  
233, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor