

# Converting Colors

XYZ(92.4724, 90.0616, 89.4576)

Have a look what the booklet for  
XYZ(92.4724, 90.0616, 89.4576)  
contains.

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# Color

**XYZ(85.6563, 86.5599,  
89.2839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBE9
RGB	255, 235, 233
RGB Percent	100%, 92%, 91%
CMY	0.0000, 0.0784, 0.0863
CMYK	0.00, 0.08, 0.09, 0.00
HSL	5°, 100%, 96%
HSV	5°, 9%, 100%
XYZ	85.6563, 86.5599, 89.2839
YIQ	240.7520, 12.5620, 3.6180

# Conversions

## Conversions Part 2

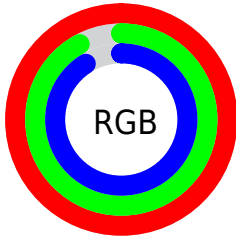
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 235, 233
Decimal	16772073
CIE Lab	94.55, 6.45, 3.41
CIE LCh	95, 7.291, 27.866
Yxy	86.5599, 0.3276, 0.3310
Android (android.graphics.Color)	4294962153 (0xFFFFE9E9)
YUV	240.7520, -3.8217, 12.4955
Hunter-Lab	93.0376, 1.5227, 8.2284

# Details

The XYZ color **85.6563, 86.5599, 89.2839** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7786, 94.7916, 108.3306**, and the grayscale version is **83.4381, 87.7834, 95.5961**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3446, 47.4203, 48.2527** is the 20% darker color. If you saturate the color by 10%, you get **76.0649, 72.7915, 69.3946**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

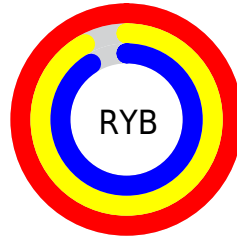
# Distribution



Red (100%)

Green (92%)

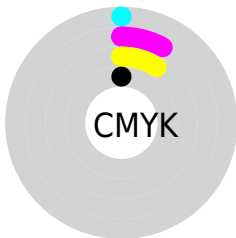
Blue (91%)



Red (100%)

Yellow (92%)

Blue (91%)

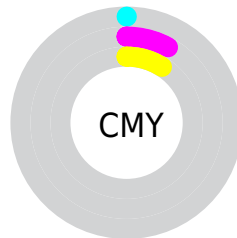


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.6563, 86.5599, 89.2839 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 85.6563, 86.5599, 89.2839 by changing the saturation by 10% instead.




 85.6563, 86.5599,  
89.2839

 85.6563, 86.5599,  
89.2839


502.2482,  
516.7756, 546.2085

 64.7081, 65.1311,  
66.8165


140.1991,  
142.5506, 148.2701

 47.4883, 47.5674,  
48.4749


174.5244,  
177.8812, 185.6260

 33.6314, 33.4844,  
33.8404


214.0394,  
218.6145, 228.7818

 22.7721, 22.4978,  
22.4947

259.1095,  
265.1349, 278.1561

 14.5451, 14.2231,  
14.0190

310.1001,  
317.8269, 334.1674

 8.5850, 8.2760,  
7.9950

367.3766,

 4.5264, 4.2721,

377.0747, 397.2342

4.0040

431.3041,  
443.2628, 467.7750

■ 2.0040, 1.8269,  
1.6276

■ 0.6362, 0.5038,  
0.3104

■ 85.6563, 86.5599,  
89.2839

■ 85.6563, 86.5599,  
89.2839

■ 76.0649, 72.7915,  
69.3946

95.0500, 100.0000,  
108.9000

■ 67.8068, 60.8838,  
52.4348

■ 60.8247, 50.7601,  
38.2675

■ 55.0547, 42.3344,  
26.7430

■ 50.4273, 35.5136,  
17.6972

■ 46.8662, 30.1955,  
10.9479

■ 44.2853, 26.2663,  
6.2879

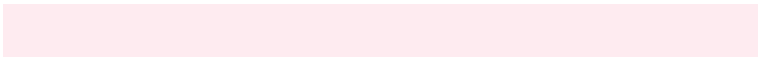
■ 42.5852, 23.5955,  
3.4724

■ 41.6379, 22.0252,  
2.1573

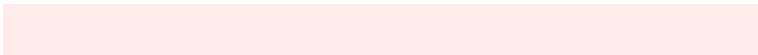
# Harmonies

## Analogous

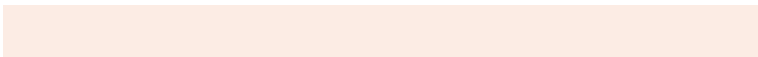
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1042, 86.5599, 94.6523



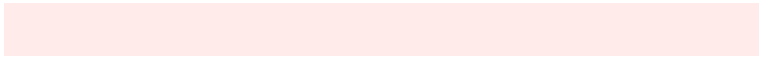
85.6563, 86.5599, 89.2839



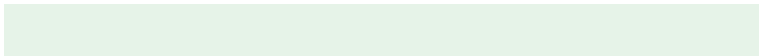
84.2976, 86.5599, 85.3843

# Triad

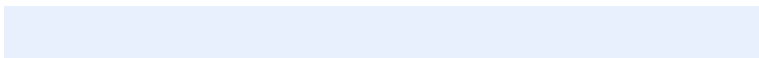
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6563, 86.5599, 89.2839



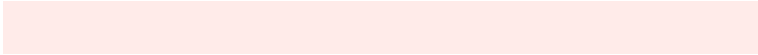
79.1161, 86.5599, 88.6128



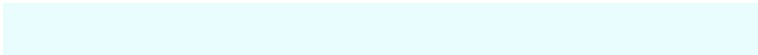
82.1321, 86.5599, 105.4747

# Complementary

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



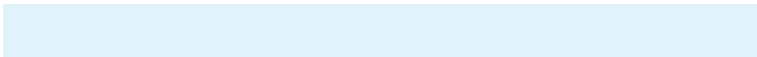
85.6563, 86.5599, 89.2839



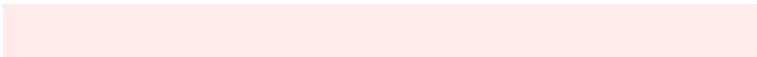
86.7786, 94.7916, 108.3306

# Split Complementary

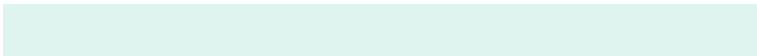
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2803, 86.5599, 103.7070



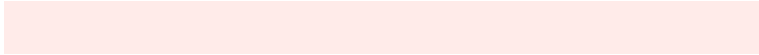
85.6563, 86.5599, 89.2839



78.5564, 86.5599, 93.8469

# Square

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



85.6563, 86.5599, 89.2839



80.5201, 86.5599, 85.0079



78.9792, 86.5599, 99.3949

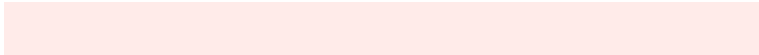


84.0503, 86.5599, 104.1367

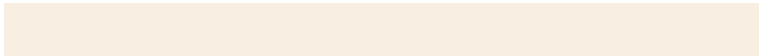


# Rectangle

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



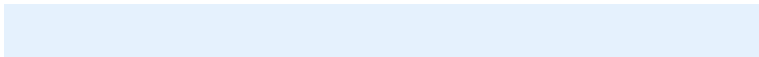
85.6563, 86.5599, 89.2839



83.0689, 86.5599, 84.0662



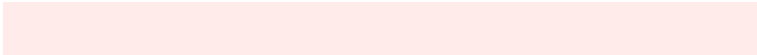
78.9792, 86.5599, 99.3949



81.4814, 86.5599, 105.2226

# Sweetspot

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



85.6583, 86.5635, 89.2857



91.6645, 95.1608, 101.8158



88.1356, 86.6412, 105.1461



19.4309, 20.0980, 21.3977



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

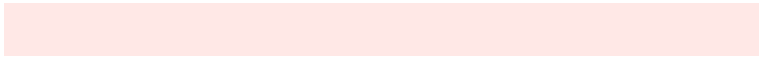


# Same Dimension

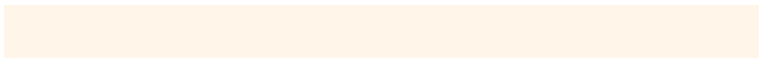
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6583, 86.5635, 89.2857



84.2598, 84.5591, 86.3759



88.8535, 92.9539, 90.3508



18.1424, 18.2530, 18.7113



21.7559, 11.5231, 1.0775

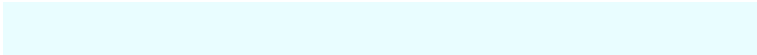


2.1612, 1.2077, 0.1192

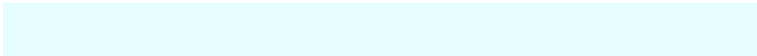


# Inverse Universe

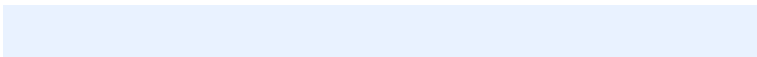
The Inverse Universe completely reimagines the original color for something new.



86.7786, 94.7916, 108.3306



85.5461, 94.0067, 108.2441



83.4568, 88.1480, 107.2234



18.4050, 20.1816, 23.1753



24.5333, 33.9761, 54.6996

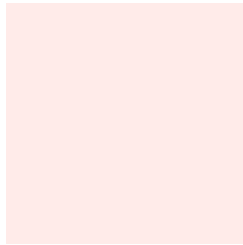


2.4284, 3.3875, 5.3391



# Previews

## White Background



This preview shows how the XYZ color 85.6563, 86.5599, 89.2839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

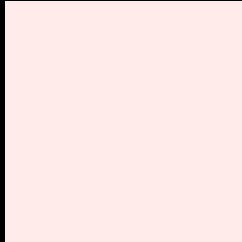
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.6563, 86.5599, 89.2839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

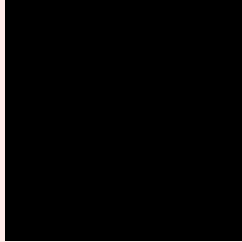
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

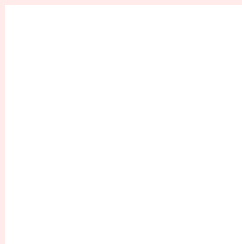
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.6563, 86.5599, 89.2839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.6563, 86.5599, 89.2839.



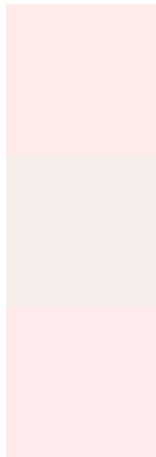
This preview shows how white text looks on a background with the XYZ color 85.6563, 86.5599,

89.2839.

# 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

85.6563, 86.5599, 89.2839

### Protanopia

83.2261, 86.5597, 90.9185

### Deuteranopia

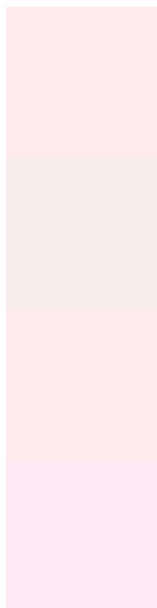
86.0887, 86.7328, 91.5606



## Tritanopia

87.4778, 86.3774, 101.6845

# Trichromacy



## Original Color

85.6563, 86.5599, 89.2839

## Protanomaly

84.2024, 86.6486, 90.1288

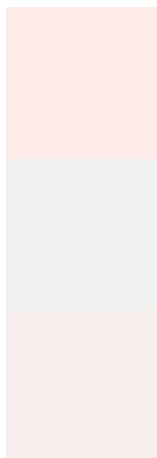
## Deuteranomaly

85.9437, 86.6748, 90.7975

## Tritanomaly

86.8405, 86.5767, 96.9280

# Monochromacy



## Original Color

85.6563, 86.5599, 89.2839

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.3052, 87.4989, 93.3345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.6563, 86.5599, 89.2839 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 85.6563, 86.5599, 89.2839 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, 233) }
```



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

```
.border{ border-color:rgb(255, 235, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.6563, 86.5599, 89.2839 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
235, 233) }
```

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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