

# Converting Colors

XYZ(85.7722, 87.0082, 88.6548)

Have a look what the booklet for XYZ(85.7722, 87.0082, 88.6548) contains.

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# Color

**XYZ(85.8009, 87.0771,  
88.6293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECE8
RGB	255, 236, 232
RGB Percent	100%, 93%, 91%
CMY	0.0000, 0.0745, 0.0902
CMYK	0.00, 0.07, 0.09, 0.00
HSL	10°, 100%, 95%
HSV	10°, 9%, 100%
XYZ	85.8009, 87.0771, 88.6293
YIQ	241.2250, 12.6080, 2.7840

# Conversions

## Conversions Part 2

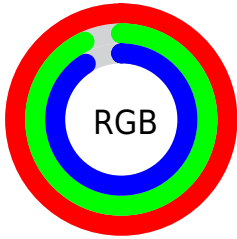
Format	Color
R <sub>Y</sub> B	255, 237, 232
Decimal	16772328
CIE Lab	94.77, 5.77, 4.25
CIE LCh	95, 7.163, 36.345
Yxy	87.0771, 0.3281, 0.3330
Android (android.graphics.Color)	4294962408 (0xFFFFE8E8)
YUV	241.2250, -4.5479, 12.0807
Hunter-Lab	93.3151, 0.8248, 9.0078

# Details

The XYZ color **85.8009, 87.0771, 88.6293** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8250, 93.3677, 108.1060**, and the grayscale version is **83.8158, 88.1808, 96.0289**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4464, 47.7829, 47.7966** is the 20% darker color. If you saturate the color by 10%, you get **76.7284, 74.3141, 69.0126**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

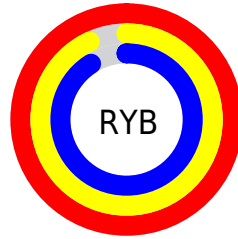
# Distribution



Red (100%)

Green (93%)

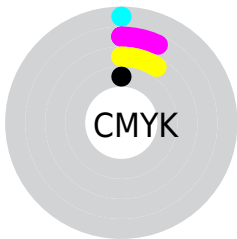
Blue (91%)



Red (100%)

Yellow (93%)

Blue (91%)

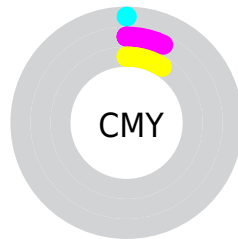


Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8009, 87.0771, 88.6293 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 85.8009, 87.0771, 88.6293 by changing the saturation by 10% instead.




 85.8009, 87.0771,  
88.6293

 85.8009, 87.0771,  
88.6293


502.7183,  
518.4762, 544.0165

 64.8281, 65.5590,  
66.2771


140.3999,  
143.2716, 147.3518

 47.5859, 47.9145,  
48.0395


174.7567,  
178.7168, 184.5591

 33.7089, 33.7592,  
33.4979


214.3056,  
219.5732, 227.5552

 22.8319, 22.7087,  
22.2339

259.4119,  
266.2251, 276.7587

 14.5894, 14.3785,  
13.8289

310.4410,  
319.0569, 332.5880

 8.6162, 8.3844,  
7.8644

367.7582,

 4.5468, 4.3419,

378.4532, 395.4617

3.9218

431.7288,  
444.7981, 465.7983

■ 2.0159, 1.8666,  
1.5825

■ 0.6429, 0.5282,  
0.2783

■ 85.8009, 87.0771,  
88.6293

■ 85.8009, 87.0771,  
88.6293

■ 76.7284, 74.3141,  
69.0126

95.0500, 100.0000,  
108.9000

■ 68.8471, 63.1292,  
52.2735

■ 62.1089, 53.4640,  
38.2778

■ 56.4597, 45.2525,  
26.8785

■ 51.8412, 38.4235,  
17.9149

■ 48.1892, 32.9003,  
11.2080

■ 45.4323, 28.5978,  
6.5544

■ 43.4882, 25.4211,  
3.7134

■ 42.2490, 23.2561,  
2.3339

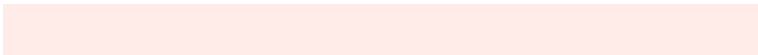
# Harmonies

## Analogous

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



86.5218, 87.0771, 93.6381



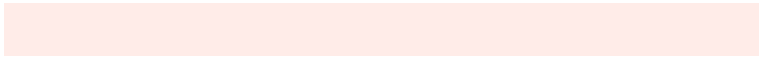
85.8009, 87.0771, 88.6293



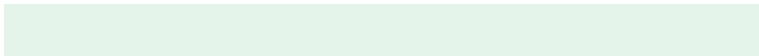
84.2678, 87.0771, 85.3723

# Triad

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



85.8009, 87.0771, 88.6293



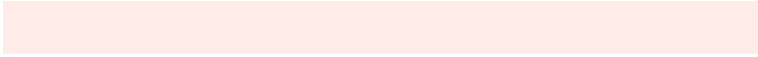
79.3989, 87.0771, 90.5959



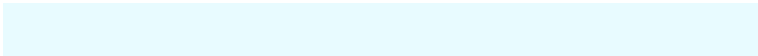
83.1765, 87.0771, 105.8150

# Complementary

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



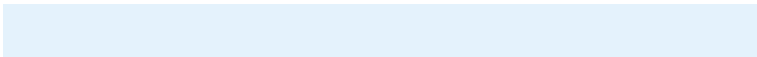
85.8009, 87.0771, 88.6293



85.8250, 93.3677, 108.1060

# Split Complementary

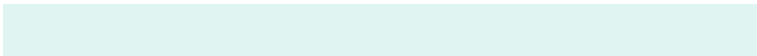
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2786, 87.0771, 104.9234



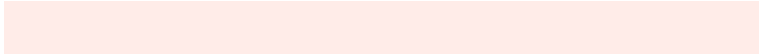
85.8009, 87.0771, 88.6293



79.1169, 87.0771, 95.9960

# Square

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



85.8009, 87.0771, 88.6293



80.5762, 87.0771, 86.4764



79.8000, 87.0771, 101.2761

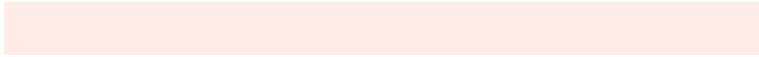


84.9914, 87.0771, 103.6671



# Rectangle

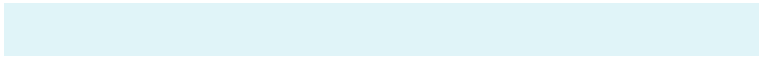
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



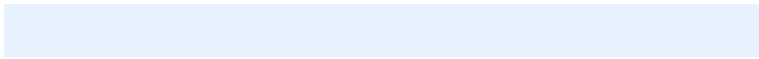
85.8009, 87.0771, 88.6293



83.0019, 87.0771, 84.5593



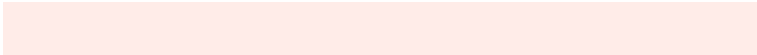
79.8000, 87.0771, 101.2761



82.5269, 87.0771, 105.8619

# Sweetspot

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



85.8029, 87.0807, 88.6311



91.8601, 95.5520, 101.8810



87.5360, 85.9497, 103.3811



19.4835, 20.2031, 21.4153



0.0000, 0.0000, 0.0000

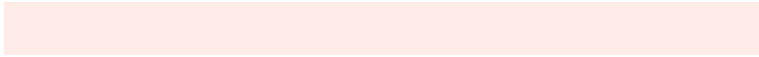


20.3446, 21.4041, 23.3091

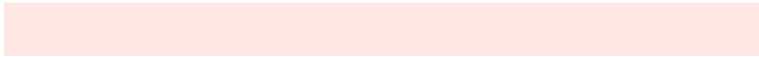


# Same Dimension

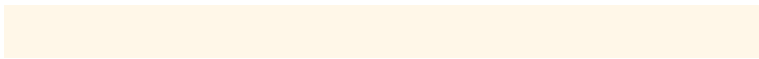
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8029, 87.0807, 88.6311



83.9081, 84.4231, 84.5097



89.1687, 93.8122, 89.7531



18.2650, 18.4982, 18.7522



22.1010, 12.2133, 1.1925

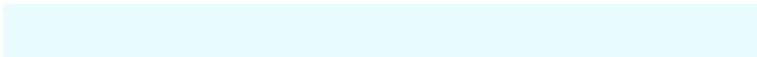


2.2190, 1.3233, 0.1385

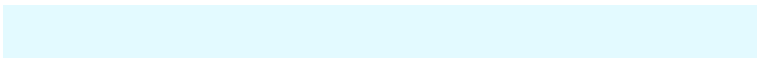


# Inverse Universe

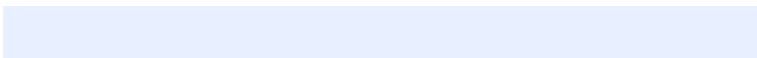
The Inverse Universe completely reimagines the original color for something new.



85.8250, 93.3677, 108.1060



83.9344, 91.9861, 107.9390



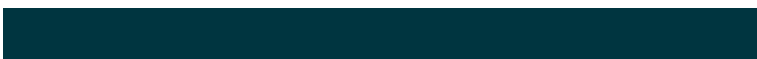
82.3916, 86.5008, 106.9616



18.2700, 19.9115, 23.1303



21.6498, 28.2091, 53.7384

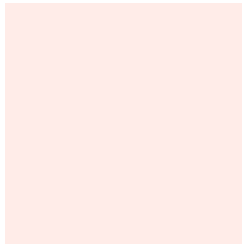


2.1755, 2.8817, 5.2548



# Previews

## White Background



This preview shows how the XYZ color 85.8009, 87.0771, 88.6293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

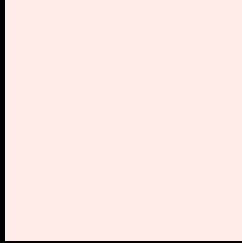
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.8009, 87.0771, 88.6293 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

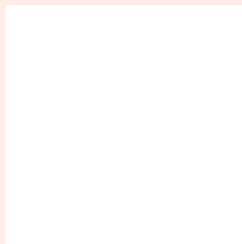
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.8009, 87.0771, 88.6293**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.8009, 87.0771, 88.6293.



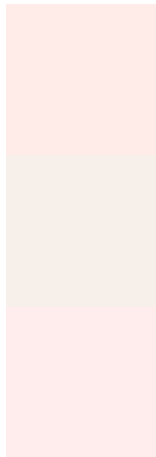
This preview shows how white text looks on a background with the XYZ color 85.8009, 87.0771,

88.6293.

# 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

85.8009, 87.0771, 88.6293

### Protanopia

83.7238, 87.2663, 90.2733

### Deuteranopia

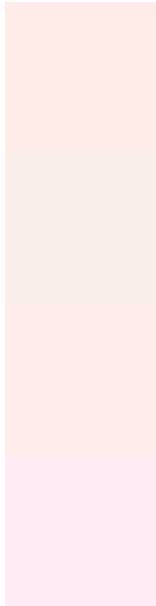
86.3758, 87.3070, 91.6563



## Tritanopia

87.9181, 87.0078, 102.6029

# Trichromacy



## Original Color

85.8009, 87.0771, 88.6293

## Protanomaly

84.3494, 87.1720, 89.4710

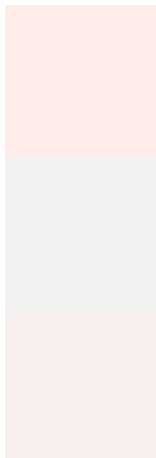
## Deuteranomaly

86.2308, 87.2491, 90.8932

## Tritanomaly

87.1260, 87.1477, 97.0232

# Monochromacy



## Original Color

85.8009, 87.0771, 88.6293

## 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 85.8009, 87.0771, 88.6293 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, 236, 232) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 232)  
}
```

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, 236, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 85.8009, 87.0771, 88.6293 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, 236, 232) }
```



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

```
.border{ border-color:rgb(255, 236, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 236, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 236, 232); box-shadow:4px 4px 4px 4px rgb(255, 236, 232) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.8009, 87.0771, 88.6293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 232) }
```

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

```
.background{ background-color: rgb(255,  
236, 232) }
```

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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