

# Converting Colors

XYZ(85.5199, 87.6467, 85.0470)

Have a look what the booklet for  
XYZ(85.5199, 87.6467, 85.0470)  
contains.

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# **Color**

**XYZ(85.3893, 87.3744,  
85.0375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDE3
RGB	255, 237, 227
RGB Percent	100%, 93%, 89%
CMY	0.0000, 0.0706, 0.1098
CMYK	0.00, 0.07, 0.11, 0.00
HSL	21°, 100%, 95%
HSV	21°, 11%, 100%
XYZ	85.3893, 87.3744, 85.0375
YIQ	241.2420, 13.9380, 0.7060

# Conversions

## Conversions Part 2

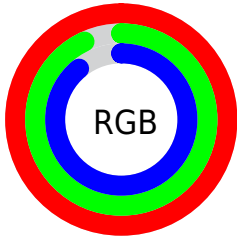
Format	Color
R <sub>Y</sub> B	255, 243, 227
Decimal	16772579
CIE Lab	94.90, 4.45, 7.02
CIE LCh	95, 8.313, 57.612
Yxy	87.3744, 0.3312, 0.3389
Android (android.graphics.Color)	4294962659 (0xFFFFE3E3)
YUV	241.2420, -7.0213, 12.0658
Hunter-Lab	93.4743, -0.5192, 11.4934

# Details

The XYZ color **85.3893, 87.3744, 85.0375** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.3802, 88.8534, 107.4163**, and the grayscale version is **83.8473, 88.2139, 96.0650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2590, 48.0321, 45.8100** is the 20% darker color. If you saturate the color by 10%, you get **77.5974, 77.0120, 66.3433**, and if you desaturate by 10%, it is **94.1403, 98.8200, 106.6253**.

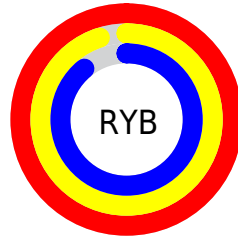
# Distribution



Red (100%)

Green (93%)

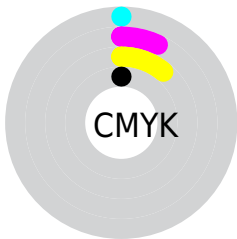
Blue (89%)



Red (100%)

Yellow (95%)

Blue (89%)

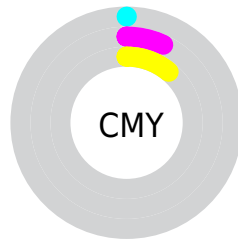


Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3893, 87.3744, 85.0375 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 85.3893, 87.3744, 85.0375 by changing the saturation by 10% instead.




 85.3893, 87.3744,  
85.0375

 85.3893, 87.3744,  
85.0375


501.3796,  
519.4523, 531.9000

 64.4867, 65.8051,  
63.3220


139.8282,  
143.6859, 142.3002

 47.3081, 48.1142,  
45.6591


174.0951,  
179.1968, 178.6845

 33.4883, 33.9173,  
31.6302


213.5476,  
220.1238, 220.7955

 22.6618, 22.8301,  
20.8167

258.5509,  
266.8511, 269.0518

 14.4633, 14.4681,  
12.8002

309.4704,  
319.7633, 323.8718

 8.5274, 8.4470,  
7.1620

366.6714,

 4.4889, 4.3822,

379.2446, 385.6742

3.4836

430.5194,  
445.6795, 454.8774

■ 1.9823, 1.8896,  
1.3466

■ 0.6240, 0.5421,  
0.0995

■ 85.3893, 87.3744,  
85.0375

■ 85.3893, 87.3744,  
85.0375

■ 77.5974, 77.0120,  
66.3433

■ 94.1403, 98.8200,  
106.6253

■ 70.7241, 67.6896,  
50.4130

■ 95.0500, 100.0000,  
108.9000

■ 64.7348, 59.3768,  
37.1154

■ 59.5904, 52.0379,  
26.3062

■ 55.2483, 45.6346,  
17.8270

■ 51.6619, 40.1260,  
11.5011

■ 48.7789, 35.4674,  
7.1259

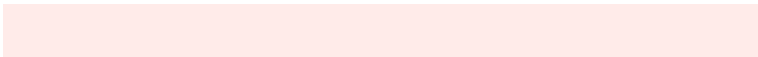
■ 46.5384, 31.6092,  
4.4591

■ 44.9911, 28.7622,  
3.1804

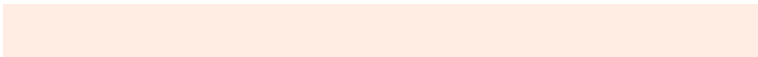
# Harmonies

## Analogous

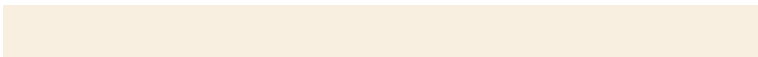
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9455, 87.3744, 89.4998



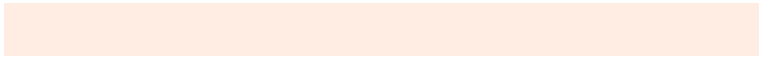
85.3893, 87.3744, 85.0375



83.2274, 87.3744, 83.2687

# Triad

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



85.3893, 87.3744, 85.0375



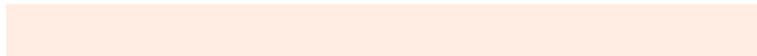
78.7925, 87.3744, 94.6197



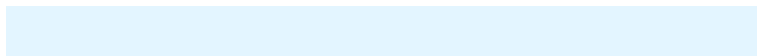
85.0711, 87.3744, 106.5604

# Complementary

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



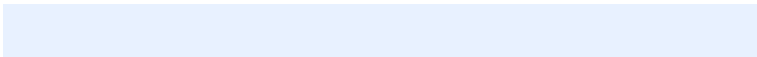
85.3893, 87.3744, 85.0375



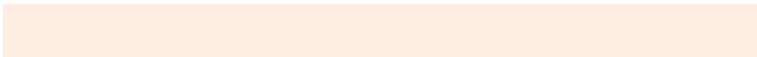
82.3802, 88.8534, 107.4163

# 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.



82.8663, 87.3744, 108.0801



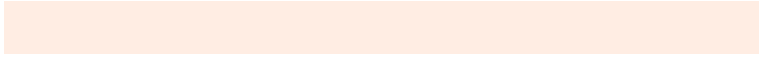
85.3893, 87.3744, 85.0375



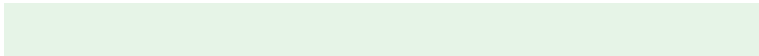
79.2663, 87.3744, 101.0037

# Square

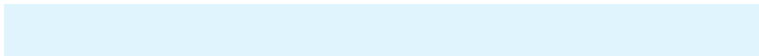
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3893, 87.3744, 85.0375



79.4415, 87.3744, 88.6427



80.7474, 87.3744, 106.0036

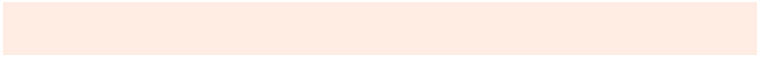


86.7595, 87.3744, 101.9387



# Rectangle

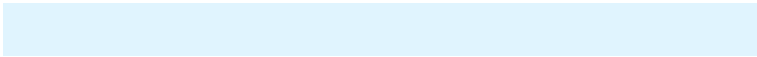
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3893, 87.3744, 85.0375



81.7427, 87.3744, 83.7921



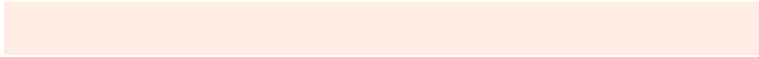
80.7474, 87.3744, 106.0036



84.3646, 87.3744, 107.4598

# Sweetspot

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



85.3913, 87.3781, 85.0393



92.2941, 96.4202, 102.0257



85.2216, 82.8040, 98.0380



19.6003, 20.4367, 21.4542



0.0000, 0.0000, 0.0000

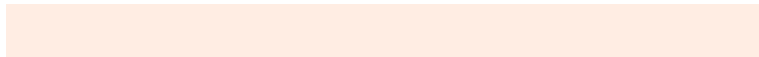


20.3446, 21.4041, 23.3091

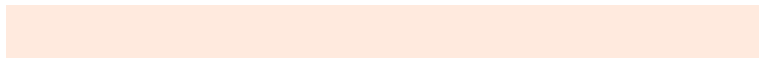


# Same Dimension

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



85.3913, 87.3781, 85.0393



83.7408, 85.1981, 81.0331



89.5402, 95.6758, 86.4223



18.5405, 19.0491, 18.8440



23.6364, 15.2840, 1.7043

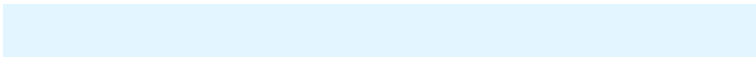


2.4002, 1.6857, 0.1989

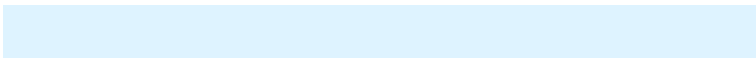


# Inverse Universe

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



82.3802, 88.8534, 107.4163



80.2252, 86.9198, 107.1566



78.3614, 80.8159, 106.0767



17.9769, 19.3254, 23.0326



16.5036, 17.9168, 52.0230

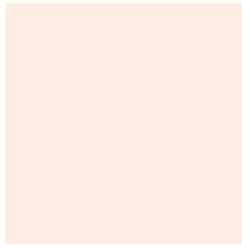


1.7102, 1.9512, 5.0997



# Previews

## White Background



This preview shows how the XYZ color 85.3893, 87.3744, 85.0375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

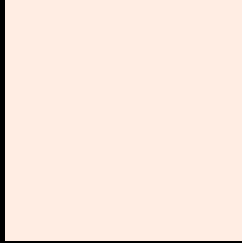
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.3893, 87.3744, 85.0375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

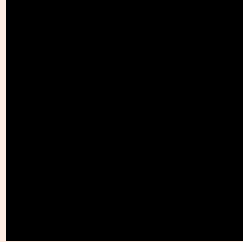
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.3893, 87.3744, 85.0375**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.3893, 87.3744, 85.0375.



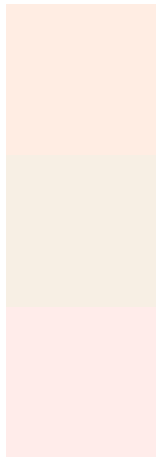
This preview shows how white text looks on a background with the XYZ color 85.3893, 87.3744,

85.0375.

# 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

85.3893, 87.3744, 85.0375

### Protanopia

83.2279, 87.1086, 85.8258

### Deuteranopia

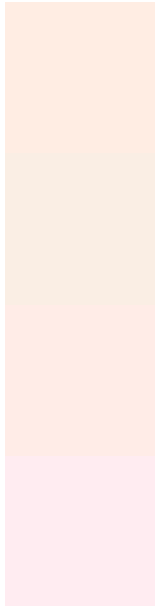
86.0867, 87.1914, 90.1343



## Tritanopia

88.0472, 87.5162, 101.8743

# Trichromacy



## Original Color

85.3893, 87.3744, 85.0375

## Protanomaly

84.0025, 87.0745, 85.7784

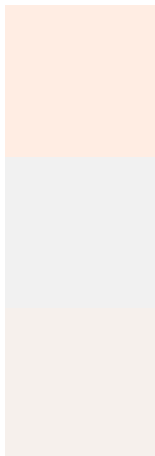
## Deuteranomaly

85.6593, 87.0204, 87.8832

## Tritanomaly

87.1126, 87.6018, 95.5366

# Monochromacy



## Original Color

85.3893, 87.3744, 85.0375

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.3064, 87.9691, 91.8932

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.3893, 87.3744, 85.0375 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, 237, 227) looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 227)  
}
```

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, 237, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 85.3893, 87.3744, 85.0375 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, 237, 227) }
```



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

```
.border{ border-color:rgb(255, 237, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.3893, 87.3744, 85.0375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 227) }
```

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

```
.background{ background-color: rgb(255,  
237, 227) }
```

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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