

# Converting Colors

XYZ(84.9002, 85.4449, 85.3470)

Have a look what the booklet for  
XYZ(84.9002, 85.4449, 85.3470)  
contains.

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# Color

**XYZ(84.3825, 85.1393,  
85.3849)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9E4
RGB	255, 233, 228
RGB Percent	100%, 91%, 89%
CMY	0.0000, 0.0863, 0.1059
CMYK	0.00, 0.09, 0.11, 0.00
HSL	11°, 100%, 95%
HSV	11°, 11%, 100%
XYZ	84.3825, 85.1393, 85.3849
YIQ	239.0080, 14.7170, 3.1090

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 234, 228
Decimal	16771556
CIE Lab	93.94, 6.66, 5.12
CIE LCh	94, 8.404, 37.576
Yxy	85.1393, 0.3310, 0.3340
Android (android.graphics.Color)	4294961636 (0xFFFFE9E4)
YUV	239.0080, -5.4269, 14.0250
Hunter-Lab	92.2710, 1.7654, 9.7244

# Details

The XYZ color **84.3825, 85.1393, 85.3849** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.2297, 92.0827, 107.9421**, and the grayscale version is **82.0850, 86.3598, 94.0458**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5537, 46.4672, 46.0506** is the 20% darker color. If you saturate the color by 10%, you get **75.5620, 72.7516, 66.2490**, and if you desaturate by 10%, it is **94.4215, 99.1276, 107.5051**.

# Distribution



Red (100%)

Green (91%)

Blue (89%)



Red (100%)

Yellow (92%)

Blue (89%)



Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3825, 85.1393, 85.3849 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 84.3825, 85.1393, 85.3849 by changing the saturation by 10% instead.




 84.3825, 85.1393,  
85.3849

 84.3825, 85.1393,  
85.3849


498.0971,  
512.0889, 533.0786

 63.6521, 63.9565,  
63.6075


138.4286,  
140.5678, 142.7897

 46.6295, 46.6154,  
45.8887


172.4750,  
175.5822, 179.2543

 32.9496, 32.7317,  
31.8100


211.6907,  
215.9760, 221.4516

 22.2469, 21.9210,  
20.9528

256.4411,  
262.1336, 269.8002

 14.1560, 13.7989,  
12.8986

307.0916,  
314.4392, 324.7186

 8.3117, 7.9809,  
7.2288

364.0075,

 4.3485, 4.0827,

373.2774, 386.6255

3.5250

427.5542,  
439.0325, 455.9393

■ 1.9011, 1.7200,  
1.3686

■ 0.5775, 0.4365,  
0.1170

■ 84.3825, 85.1393,  
85.3849

■ 84.3825, 85.1393,  
85.3849

■ 75.5620, 72.7516,  
66.2490

94.4215, 99.1276,  
107.5051

■ 67.9072, 61.8968,  
49.9640

95.0500, 100.0000,  
108.9000

■ 61.3705, 52.5182,  
36.3947

■ 55.8985, 44.5514,  
25.3924

■ 51.4333, 37.9273,  
16.7942

■ 47.9114, 32.5707,  
10.4185

■ 45.2615, 28.3989,  
6.0575

■ 43.4014, 25.3189,  
3.4638

■ 42.2673, 23.3145,  
2.2724

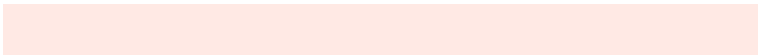
# Harmonies

## Analogous

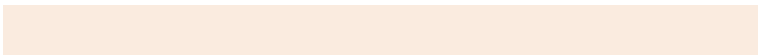
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2653, 85.1393, 91.0861



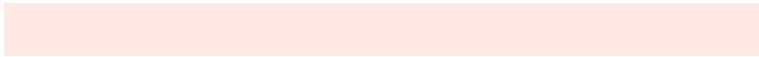
84.3825, 85.1393, 85.3849



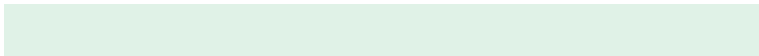
82.5757, 85.1393, 81.7657

# Triad

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



84.3825, 85.1393, 85.3849



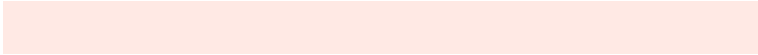
77.0076, 85.1393, 88.0782



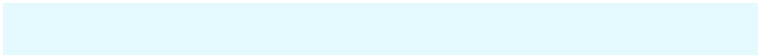
81.4913, 85.1393, 105.4691

# Complementary

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



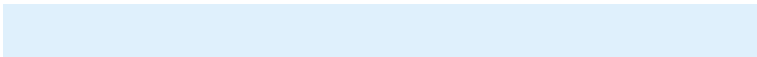
84.3825, 85.1393, 85.3849



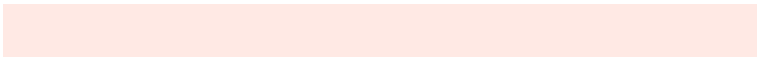
84.2297, 92.0827, 107.9421

# Split Complementary

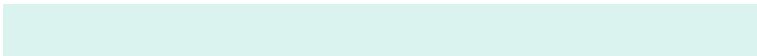
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2912, 85.1393, 104.5729



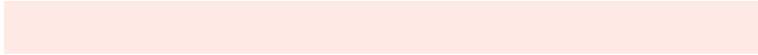
84.3825, 85.1393, 85.3849



76.7294, 85.1393, 94.3374

# Square

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



84.3825, 85.1393, 85.3849



78.3253, 85.1393, 83.2699



77.5581, 85.1393, 100.4261

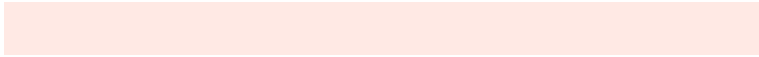


83.5762, 85.1393, 102.8212



# Rectangle

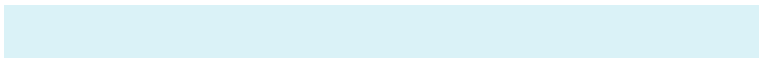
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



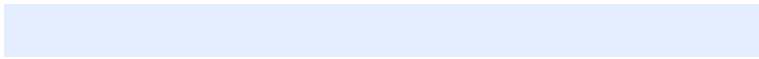
84.3825, 85.1393, 85.3849



81.1045, 85.1393, 80.9213



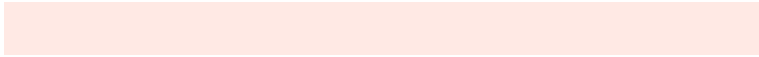
77.5581, 85.1393, 100.4261



80.7404, 85.1393, 105.5744

# Sweetspot

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



84.3845, 85.1429, 85.3867



91.8866, 95.6051, 101.8898



86.2471, 83.6530, 102.0848



19.4906, 20.2173, 21.4176



0.0000, 0.0000, 0.0000

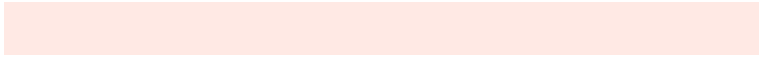


20.3446, 21.4041, 23.3091

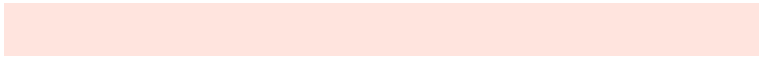


# Same Dimension

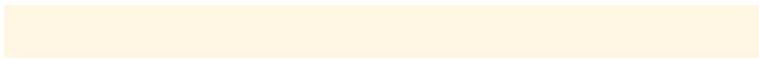
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3845, 85.1429, 85.3867



82.1467, 82.0098, 80.5018



88.3368, 93.0475, 86.7041



18.2817, 18.5316, 18.7577



22.1632, 12.3376, 1.2133

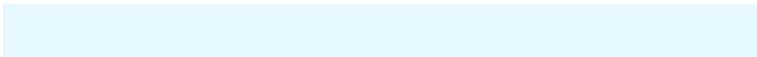


2.2274, 1.3402, 0.1413

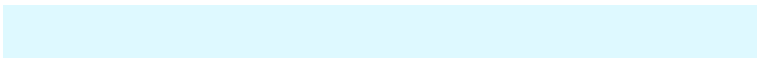


# Inverse Universe

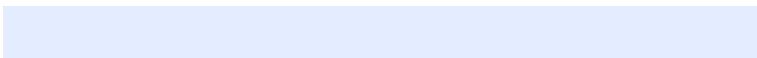
The Inverse Universe completely reimagines the original color for something new.



84.2297, 92.0827, 107.9421



81.9592, 90.3878, 107.7346



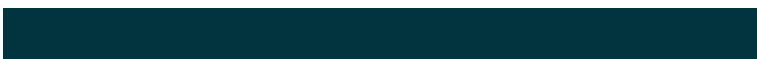
80.1998, 84.0230, 106.5988



18.2518, 19.8751, 23.1243



21.2863, 27.4822, 53.6173

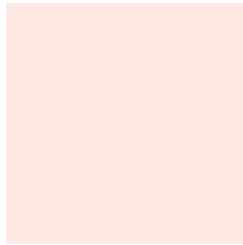


2.1433, 2.8173, 5.2441



# Previews

## White Background



This preview shows how the XYZ color 84.3825, 85.1393, 85.3849 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

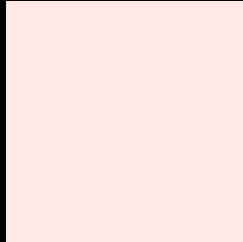
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.3825, 85.1393, 85.3849 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

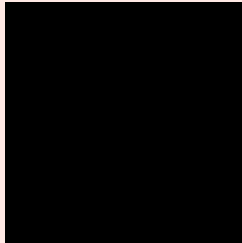
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

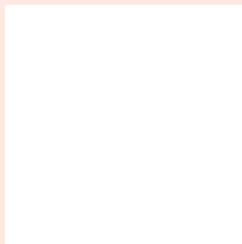
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.3825, 85.1393, 85.3849**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.3825, 85.1393, 85.3849.



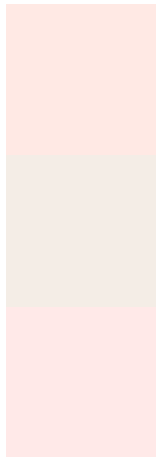
This preview shows how white text looks on a background with the XYZ color 84.3825, 85.1393,

85.3849.

# 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

84.3825, 85.1393, 85.3849

### Protanopia

81.8753, 85.5146, 87.0536

### Deuteranopia

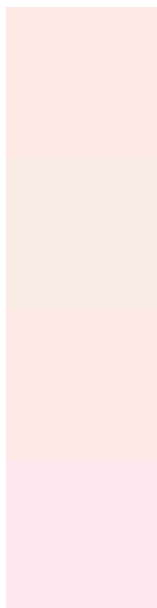
84.9444, 85.3640, 88.3438



## Tritanopia

86.6044, 85.1272, 99.8623

# Trichromacy



## Original Color

84.3825, 85.1393, 85.3849

## Protanomaly

82.8497, 85.6045, 86.2854

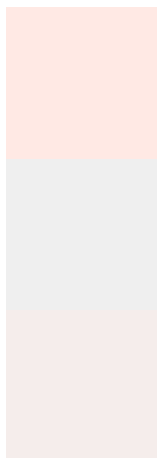
## Deuteranomaly

84.8027, 85.3073, 87.5977

## Tritanomaly

85.8248, 85.2645, 94.3723

# Monochromacy



## Original Color

84.3825, 85.1393, 85.3849

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.9358, 85.9790, 90.8217

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.3825, 85.1393, 85.3849 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, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 84.3825, 85.1393, 85.3849 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, 228) }
```



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

```
.border{ border-color:rgb(255, 233, 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, 233, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.3825, 85.1393, 85.3849 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, 228) }
```

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

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