

# Converting Colors

XYZ(85.7995, 88.5526, 88.4639)

Have a look what the booklet for  
XYZ(85.7995, 88.5526, 88.4639)  
contains.

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# Color

**XYZ(85.7983, 88.3852,  
88.1393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFE7
RGB	253, 239, 231
RGB Percent	99%, 94%, 91%
CMY	0.0078, 0.0627, 0.0941
CMYK	0.00, 0.06, 0.09, 0.01
HSL	22°, 85%, 95%
HSV	22°, 9%, 99%
XYZ	85.7983, 88.3852, 88.1393
YIQ	242.2740, 10.9120, 0.4800

# Conversions

## Conversions Part 2

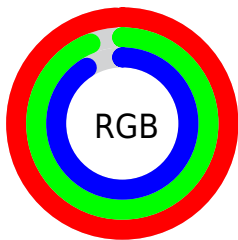
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 244, 231
Decimal	16642023
CIE Lab	95.32, 3.39, 5.54
CIE LCh	95, 6.494, 58.576
Yxy	88.3852, 0.3271, 0.3369
Android (android.graphics.Color)	4294832103 (0xFFFDFEF7)
YUV	242.2740, -5.5581, 9.4067
Hunter-Lab	94.0134, -1.6212, 10.2239

# Details

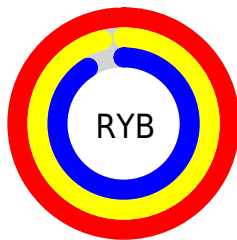
The XYZ color 85.7983, 88.3852, 88.1393 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 83.3367, 89.3839, 105.7899, and the grayscale version is 84.6538, 89.0623, 96.9889.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 47.4363, 48.6979, 47.4569 is the 20% darker color. If you saturate the color by 10%, you get 77.9768, 78.0526, 69.1585, and if you desaturate by 10%, it is 94.3184, 99.6228, 108.8658.

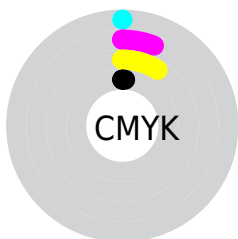
# Distribution



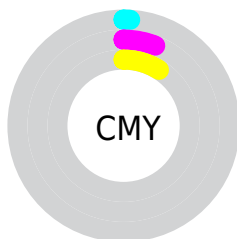
- Red (99%)
- Green (94%)
- Blue (91%)



- Red (99%)
- Yellow (96%)
- Blue (91%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (1%)




- Cyan (1%)
- Magenta (6%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7983, 88.3852, 88.1393 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 85.7983, 88.3852, 88.1393 by changing the saturation by 10% instead.



 85.7983, 88.3852,  
88.1393

 85.7983, 88.3852,  
88.1393

502.7099,  
522.7639, 542.3724

 64.8259, 66.6421,  
65.8734


140.3963,  
145.0933, 146.6639

 47.5841, 48.7939,  
47.7138


174.7525,  
180.8272, 183.7598

 33.7075, 34.4560,  
33.2419


214.3008,  
221.9934, 226.6360

 22.8308, 23.2441,  
22.0392

259.4065,  
268.9763, 275.7112

 14.5886, 14.7739,  
13.6871

310.4349,  
322.1605, 331.4039

 8.6156, 8.6608,  
7.7671

367.7513,

 4.5464, 4.5206,

381.9302, 394.1327

3.8607

431.7212,  
448.6699, 464.3160

■ 2.0157, 1.9688,  
1.5492

■ 0.6427, 0.5893,  
0.2542

■ 85.7983, 88.3852,  
88.1393

■ 85.7983, 88.3852,  
88.1393

■ 77.9768, 78.0526,  
69.1585

94.3184, 99.6228,  
108.8658

■ 71.0561, 68.7314,  
52.9162

■ 65.0036, 60.3933,  
39.2860

■ 59.7819, 53.0043,  
28.1292

■ 55.3506, 46.5284,  
19.2942

■ 51.6653, 40.9269,  
12.6122

■ 48.6768, 36.1579,  
7.8915

■ 46.3281, 32.1752,  
4.9054

■ 44.5429, 28.9229,  
3.3298

# Harmonies

## Analogous

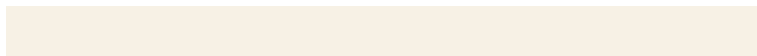
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0385, 88.3852, 91.6393



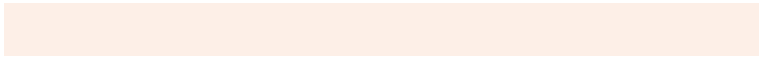
85.7983, 88.3852, 88.1393



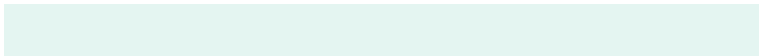
84.0923, 88.3852, 86.7979

# Triad

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



85.7983, 88.3852, 88.1393



80.6437, 88.3852, 95.9940



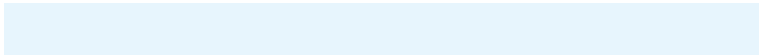
85.6495, 88.3852, 105.0721

# Complementary

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



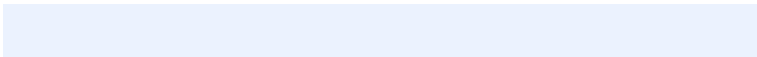
85.7983, 88.3852, 88.1393



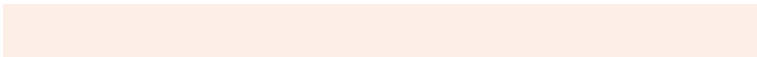
83.3367, 89.3839, 105.7899

# Split Complementary

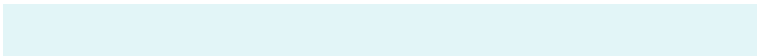
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9228, 88.3852, 106.3356



85.7983, 88.3852, 88.1393



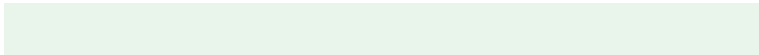
81.0477, 88.3852, 100.9849

# Square

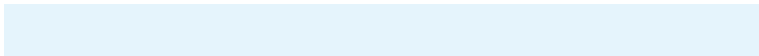
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7983, 88.3852, 88.1393



81.1304, 88.3852, 91.2330



82.2418, 88.3852, 104.8149

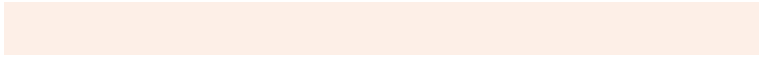


86.9517, 88.3852, 101.4196



# Rectangle

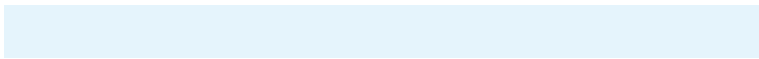
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7983, 88.3852, 88.1393



82.9256, 88.3852, 87.2710



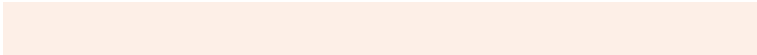
82.2418, 88.3852, 104.8149



85.0987, 88.3852, 105.7958

# Sweetspot

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



85.8008, 88.3891, 88.1412



92.3097, 96.4512, 102.0308



85.6123, 84.6466, 98.4537



19.6045, 20.4451, 21.4556



0.0000, 0.0000, 0.0000

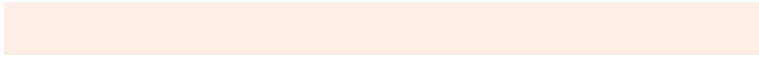


20.3446, 21.4041, 23.3091

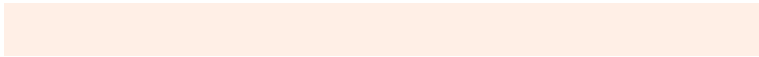


# Same Dimension

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



85.8008, 88.3891, 88.1412



86.2544, 88.5483, 87.0407



89.0253, 94.8381, 89.2160



18.5504, 19.0690, 18.8473



23.7131, 15.4375, 1.7299

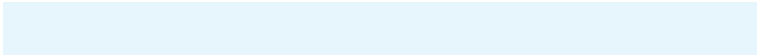


2.4084, 1.7022, 0.2016

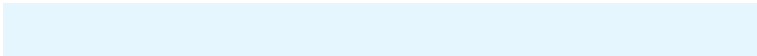


# Inverse Universe

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



83.3367, 89.3839, 105.7899



83.3941, 89.7028, 107.5268



80.1941, 83.0987, 104.7424



17.9666, 19.3047, 23.0292



16.3498, 17.6093, 51.9718

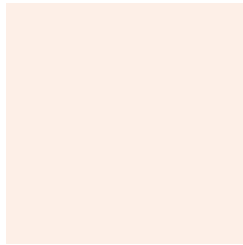


1.6959, 1.9226, 5.0950



# Previews

## White Background



This preview shows how the XYZ color 85.7983, 88.3852, 88.1393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

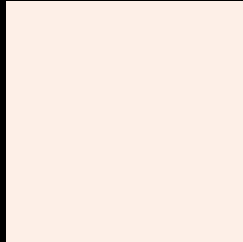
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.7983, 88.3852, 88.1393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

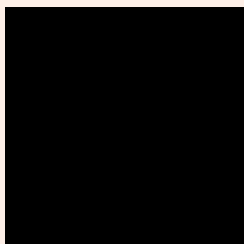
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

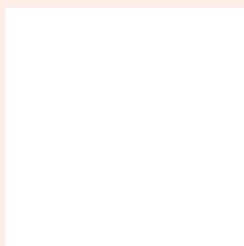
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.7983, 88.3852, 88.1393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.7983, 88.3852, 88.1393.



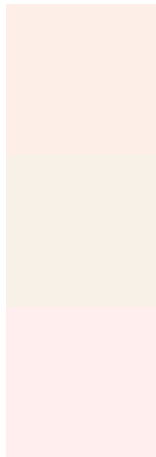
This preview shows how white text looks on a background with the XYZ color 85.7983, 88.3852,

88.1393.

# 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

85.7983, 88.3852, 88.1393

### Protanopia

84.7322, 88.6932, 88.9976

### Deuteranopia

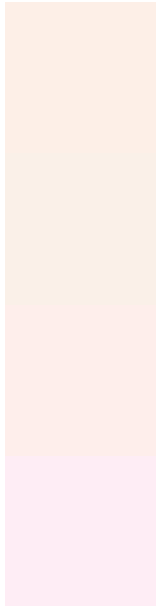
87.1006, 88.5235, 92.6168



## Tritanopia

88.9651, 88.3428, 105.2914

# Trichromacy



## Original Color

85.7983, 88.3852, 88.1393

## Protanomaly

85.1499, 88.4704, 88.9325

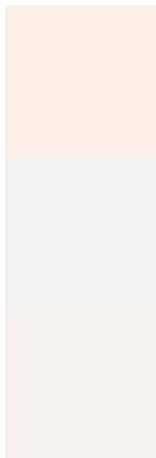
## Deuteranomaly

86.4430, 88.2181, 91.0690

## Tritanomaly

87.6387, 88.2318, 98.7976

# Monochromacy



## Original Color

85.7983, 88.3852, 88.1393

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.8939, 88.6765, 93.5308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.7983, 88.3852, 88.1393 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(253, 239, 231) looks like.

```
.text, #text, p{  
    color:rgb(253, 239, 231)  
}
```

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(253, 239, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 239, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 85.7983, 88.3852, 88.1393 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(253, 239, 231) }
```



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

```
.border{ border-color:rgb(253, 239, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 239, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 239, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 239, 231);  
box-shadow:4px 4px 4px 4px rgb(253, 239,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.7983, 88.3852, 88.1393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 239, 231) }
```

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

```
.background{ background-color: rgb(253,  
239, 231) }
```

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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