

# Converting Colors

XYZ(81.2142, 85.2715, 90.3844)

Have a look what the booklet for  
XYZ(81.2142, 85.2715, 90.3844)  
contains.

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# **Color**

**XYZ(81.0706, 85.0342,  
89.9823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0EDEA
RGB	240, 237, 234
RGB Percent	94%, 93%, 92%
CMY	0.0588, 0.0706, 0.0823
CMYK	0.00, 0.01, 0.02, 0.06
HSL	30°, 17%, 93%
HSV	30°, 2%, 94%
XYZ	81.0706, 85.0342, 89.9823
YIQ	237.5550, 2.7510, -0.2970

# Conversions

## Conversions Part 2

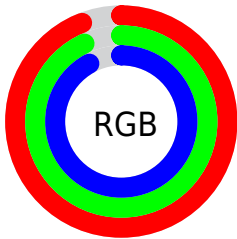
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 240, 234
Decimal	15789546
CIE Lab	93.90, 0.48, 1.79
CIE LCh	94, 1.859, 74.895
Yxy	85.0342, 0.3166, 0.3321
Android (android.graphics.Color)	4293979626 (0xFFFF0EDEA)
YUV	237.5550, -1.7526, 2.1443
Hunter-Lab	92.2140, -4.4449, 6.6947

# Details

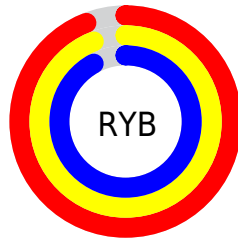
The XYZ color **81.0706, 85.0342, 89.9823** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.9439, 84.3507, 94.5068**, and the grayscale version is **80.9378, 85.1528, 92.7314**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3269, 46.4524, 48.7494** is the 20% darker color. If you saturate the color by 10%, you get **74.5003, 77.0420, 71.9178**, and if you desaturate by 10%, it is **87.8575, 93.4894, 108.0224**.

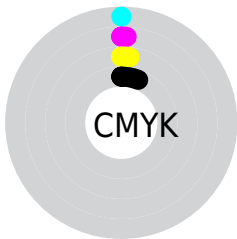
# Distribution



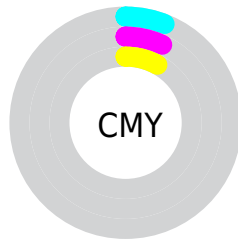
- Red (94%)
- Green (93%)
- Blue (92%)



- Red (94%)
- Yellow (94%)
- Blue (92%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0706, 85.0342, 89.9823 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 81.0706, 85.0342, 89.9823 by changing the saturation by 10% instead.



81.0706, 85.0342,  
89.9823

81.0706, 85.0342,  
89.9823

487.2153,  
511.7412, 548.5419

60.9112, 63.8696,  
67.3923

133.8125,  
140.4210, 149.2491

44.4058, 46.5451,  
48.9399

167.1258,  
175.4119, 186.7630

31.1889, 32.6762,  
34.2066

205.5544,  
215.7805, 230.0887

20.8953, 21.8785,  
22.7737

249.4638,  
261.9111, 279.6446

13.1595, 13.7676,  
14.2228

299.2192,  
314.1881, 335.8494

7.6162, 7.9592,  
8.1352

355.1860,

3.9001, 4.0689,

372.9958, 399.1215

4.0926

417.7296,  
438.7187, 469.8795

■ 1.6458, 1.7122,  
1.6763

■ 0.4220, 0.4315,  
0.3444

■ 81.0706, 85.0342,  
89.9823

■ 81.0706, 85.0342,  
89.9823

■ 74.5003, 77.0420,  
71.9178

■ 87.8575, 93.4894,  
108.0224

■ 68.6034, 69.6802,  
56.2890

■ 89.7456, 97.2655,  
108.6518

■ 63.3578, 62.9353,  
42.9915

■ 58.7374, 56.7891,  
31.9108

■ 54.7139, 51.2224,  
22.9231

■ 51.2567, 46.2149,  
15.8919

■ 48.3317, 41.7443,  
10.6645

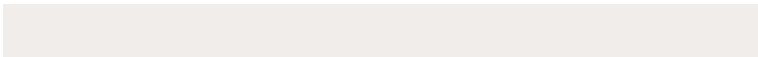
■ 45.9004, 37.7864,  
7.0649

■ 43.9170, 34.3137,  
4.8808

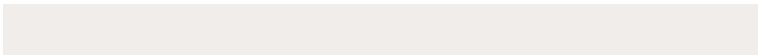
# Harmonies

## Analogous

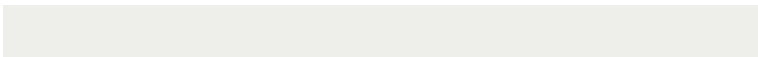
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4982, 85.0342, 90.6781



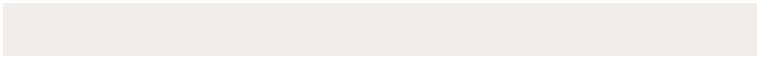
81.0706, 85.0342, 89.9823



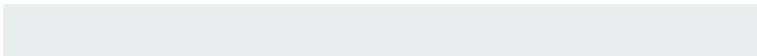
80.5782, 85.0342, 89.9798

# Triad

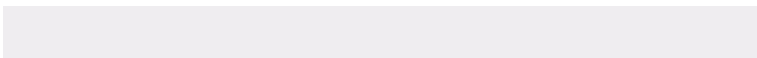
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0706, 85.0342, 89.9823



79.9066, 85.0342, 93.2899



81.4958, 85.0342, 94.5312

# Complementary

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



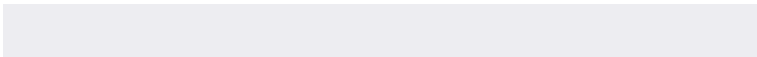
81.0706, 85.0342, 89.9823



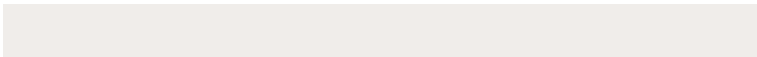
79.9439, 84.3507, 94.5068

# 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.



81.0672, 85.0342, 95.2457



81.0706, 85.0342, 89.9823



80.1504, 85.0342, 94.5241

# Square

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



81.0706, 85.0342, 89.9823



79.9075, 85.0342, 91.8797



80.5748, 85.0342, 95.2431

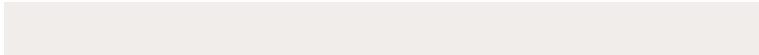


81.7444, 85.0342, 93.2995



# Rectangle

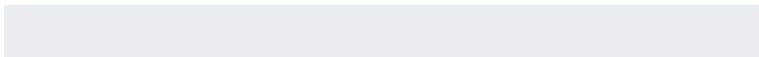
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



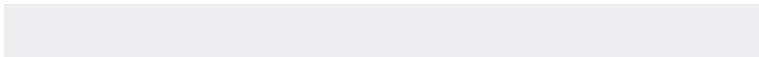
81.0706, 85.0342, 89.9823



80.2795, 85.0342, 90.3711



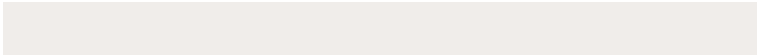
80.5748, 85.0342, 95.2431



81.3679, 85.0342, 94.8404

# Sweetspot

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



81.0730, 85.0379, 89.9841



94.2373, 99.0273, 106.6171



80.6451, 83.4866, 91.9859



20.1792, 21.2062, 22.8445



0.0000, 0.0000, 0.0000

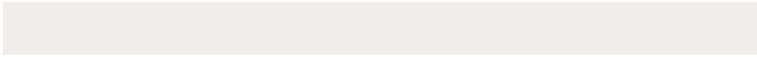


20.3446, 21.4041, 23.3091

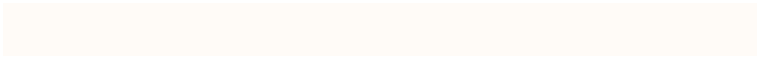


# Same Dimension

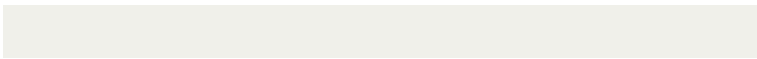
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0730, 85.0379, 89.9841



92.6362, 97.1044, 102.1397



81.9475, 86.7869, 90.2757



17.2373, 18.0507, 18.8122



23.4932, 17.7845, 2.1945

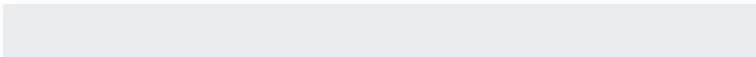


2.0539, 1.6785, 0.2157



# Inverse Universe

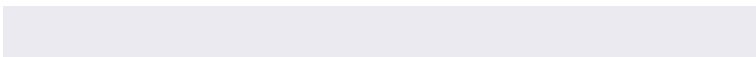
The Inverse Universe completely reimagines the original color for something new.



79.9439, 84.3507, 94.5068



91.0814, 96.1580, 108.3676



79.0839, 82.6307, 94.2201



16.8724, 17.8286, 20.2736



12.4078, 11.0399, 46.6048

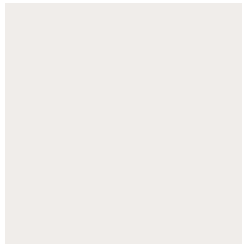


1.1317, 1.1174, 3.9102



# Previews

## White Background



This preview shows how the XYZ color 81.0706, 85.0342, 89.9823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

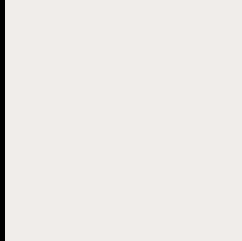
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0706, 85.0342, 89.9823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

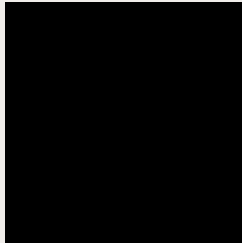
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

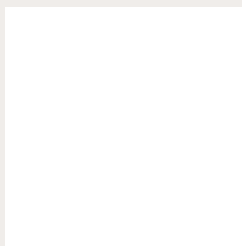
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.0706, 85.0342, 89.9823**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.0706, 85.0342, 89.9823.



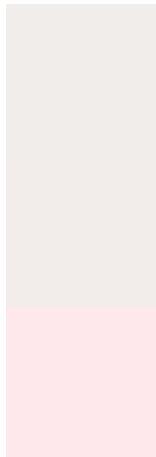
This preview shows how white text looks on a background with the XYZ color 81.0706, 85.0342,

89.9823.

# 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

81.0706, 85.0342, 89.9823

### Protanopia

81.4647, 84.8087, 89.9180

### Deuteranopia

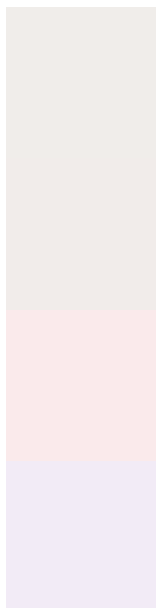
85.2369, 85.0294, 91.2767



## Tritanopia

84.1146, 84.9922, 104.9003

# Trichromacy



## Original Color

81.0706, 85.0342, 89.9823

## Protanomaly

81.1224, 84.6322, 89.9019

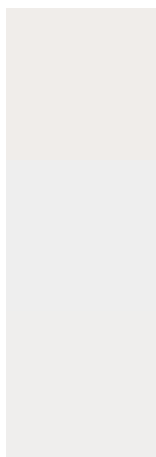
## Deuteranomaly

83.8426, 85.1678, 90.6173

## Tritanomaly

82.9608, 84.9477, 99.2128

# Monochromacy



## Original Color

81.0706, 85.0342, 89.9823

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.4572, 85.6142, 92.3527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0706, 85.0342, 89.9823 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(240, 237, 234) looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 234)  
}
```

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(240, 237, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0706, 85.0342, 89.9823 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(240, 237, 234) }
```



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

```
.border{ border-color:rgb(240, 237, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 237, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 234);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0706, 85.0342, 89.9823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 234) }
```

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

```
.background{ background-color: rgb(240,  
237, 234) }
```

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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