

# Converting Colors

XYZ(84.7780, 87.2432, 89.6694)

Have a look what the booklet for  
XYZ(84.7780, 87.2432, 89.6694)  
contains.

<b>XYZ(84.7069, 87.3563, 89.4877)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.7069, 87.3563,  
89.4877)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FAEEE9
RGB	250, 238, 233
RGB Percent	98%, 93%, 91%
CMY	0.0196, 0.0666, 0.0863
CMYK	0.00, 0.05, 0.07, 0.02
HSL	18°, 63%, 95%
HSV	18°, 7%, 98%
XYZ	84.7069, 87.3563, 89.4877
YIQ	241.0180, 8.7570, 0.9890

# Conversions

## Conversions Part 2

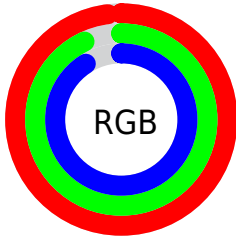
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 240, 233
Decimal	16445161
CIE Lab	94.89, 3.20, 3.85
CIE LCh	95, 5.003, 50.278
Yxy	87.3563, 0.3239, 0.3340
Android (android.graphics.Color)	4294635241 (0xFFFAEEE9)
YUV	241.0180, -3.9529, 7.8772
Hunter-Lab	93.4646, -1.7886, 8.6580

# Details

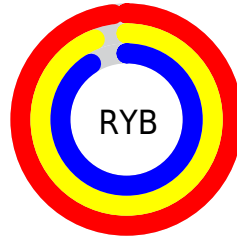
The XYZ color **84.7069, 87.3563, 89.4877** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5119, 89.5291, 103.3229**, and the grayscale version is **83.6507, 88.0071, 95.8397**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6561, 47.9677, 48.3946** is the 20% darker color. If you saturate the color by 10%, you get **76.4994, 76.2568, 70.3626**, and if you desaturate by 10%, it is **93.2348, 99.0642, 108.8151**.

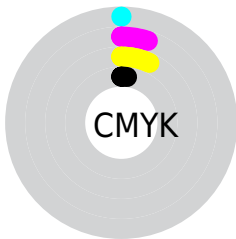
# Distribution



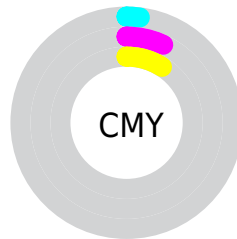
- Red (98%)
- Green (93%)
- Blue (91%)



- Red (98%)
- Yellow (94%)
- Blue (91%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7069, 87.3563, 89.4877 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 84.7069, 87.3563, 89.4877 by changing the saturation by 10% instead.




 84.7069, 87.3563,  
89.4877

 84.7069, 87.3563,  
89.4877


499.1560,  
519.3929, 546.8900

 63.9209, 65.7901,  
66.9845


138.8797,  
143.6607, 148.5559

 46.8481, 48.1020,  
48.6105

172.9973,  
179.1676, 185.9579

 33.1230, 33.9077,  
33.9472


212.2894,  
220.0903, 229.1634

 22.3804, 22.8227,  
22.5760

257.1215,  
266.8130, 278.5907

 14.2548, 14.4626,  
14.0784

307.8588,  
319.7203, 334.6585

 8.3810, 8.4431,  
8.0358

364.8668,

 4.3935, 4.3798,

379.1964, 397.7853

4.0298

428.5107,  
445.6258, 468.3896

■ 1.9271, 1.8882,  
1.6417

■ 0.5925, 0.5413,  
0.3203

■ 84.7069, 87.3563,  
89.4877

■ 84.7069, 87.3563,  
89.4877

■ 76.4994, 76.2568,  
70.3626

■ 93.2348, 99.0642,  
108.8151

■ 69.2632, 66.3252,  
53.9520

■ 62.9631, 57.5261,  
40.1335

■ 57.5587, 49.8180,  
28.7729

■ 53.0066, 43.1568,  
19.7240

■ 49.2595, 37.4954,  
12.8249

■ 46.2649, 32.7824,  
7.8923

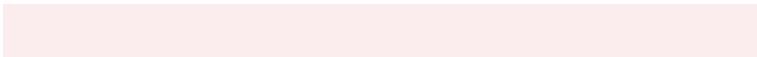
■ 43.9631, 28.9615,  
4.7119

■ 42.2820, 25.9685,  
3.0137

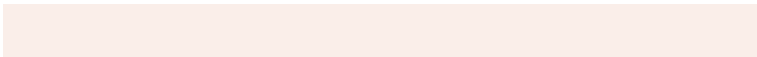
# Harmonies

## Analogous

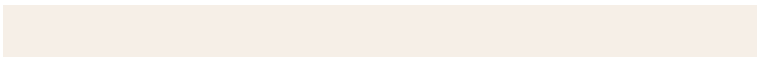
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4993, 87.3563, 92.5517



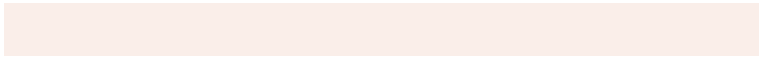
84.7069, 87.3563, 89.4877



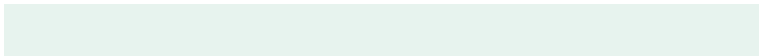
83.4706, 87.3563, 87.9446

# Triad

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



84.7069, 87.3563, 89.4877



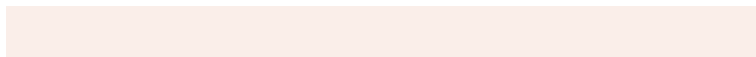
80.4862, 87.3563, 93.8608



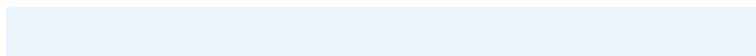
83.9364, 87.3563, 102.2937

# Complementary

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



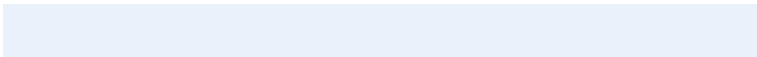
84.7069, 87.3563, 89.4877



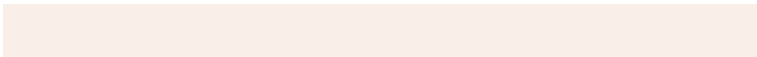
83.5119, 89.5291, 103.3229

# Split Complementary

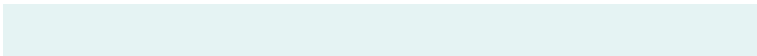
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5901, 87.3563, 102.6674



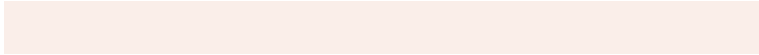
84.7069, 87.3563, 89.4877



80.6078, 87.3563, 97.7276

# Square

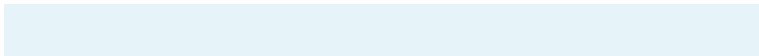
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7069, 87.3563, 89.4877



81.0403, 87.3563, 90.4237



81.3745, 87.3563, 100.9758

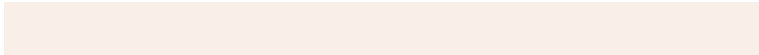


85.0511, 87.3563, 99.9682



# Rectangle

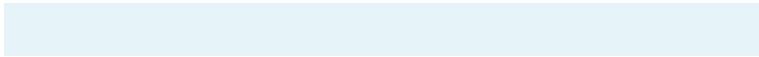
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7069, 87.3563, 89.4877



82.5652, 87.3563, 87.9566



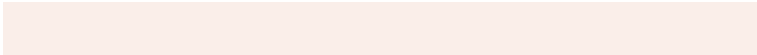
81.3745, 87.3563, 100.9758



83.4956, 87.3563, 102.6541

# Sweetspot

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



84.7093, 87.3601, 89.4896



93.1023, 97.4012, 104.2536



85.0739, 85.2069, 98.4969



19.9482, 20.8752, 22.3632



0.0000, 0.0000, 0.0000

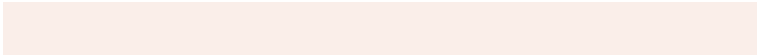


20.3446, 21.4041, 23.3091

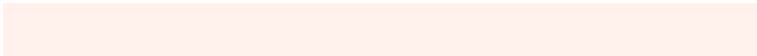


# Same Dimension

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



84.7093, 87.3601, 89.4896



87.5162, 89.9123, 91.0368



87.1857, 92.3127, 90.3150



17.6610, 18.0578, 18.0171



22.3043, 13.5653, 1.4428

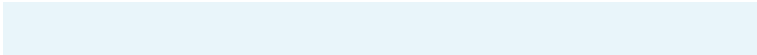


2.1534, 1.4316, 0.1628

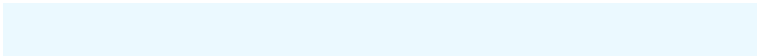


# Inverse Universe

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



83.5119, 89.5291, 103.3229



86.0531, 92.5622, 107.9386



81.0534, 84.6122, 102.5034



17.3091, 18.6949, 22.0815



17.5609, 20.4774, 51.0005

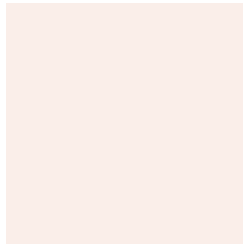


1.7183, 2.0802, 4.7541



# Previews

## White Background



This preview shows how the XYZ color 84.7069, 87.3563, 89.4877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

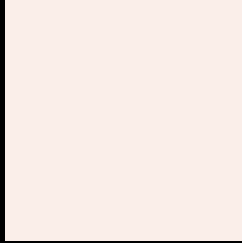
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7069, 87.3563, 89.4877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

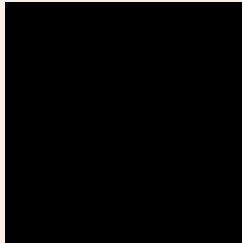
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

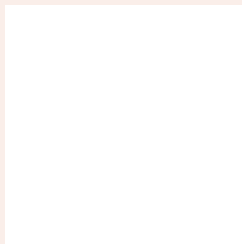
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.7069, 87.3563, 89.4877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.7069, 87.3563, 89.4877.



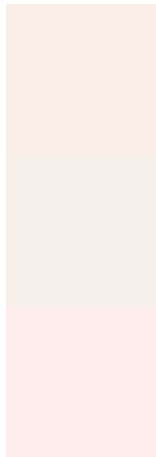
This preview shows how white text looks on a background with the XYZ color 84.7069, 87.3563,

89.4877.

# 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

84.7069, 87.3563, 89.4877

### Protanopia

83.7238, 87.2663, 90.2733

### Deuteranopia

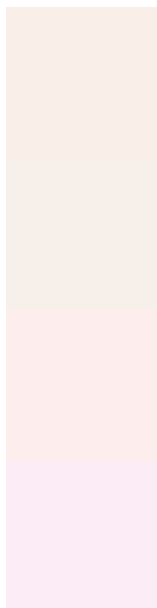
86.5215, 87.3653, 92.4238



## Tritanopia

87.9460, 87.3912, 105.1614

# Trichromacy



## Original Color

84.7069, 87.3563, 89.4877

## Protanomaly

84.0756, 87.4477, 90.2897

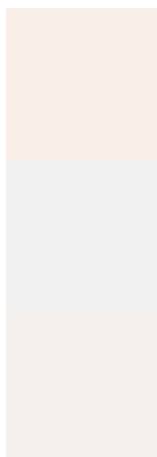
## Deuteranomaly

85.9325, 87.5071, 91.7183

## Tritanomaly

86.7749, 87.3402, 99.4736

# Monochromacy



## Original Color

84.7069, 87.3563, 89.4877

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.9009, 87.7263, 93.3997

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7069, 87.3563, 89.4877 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(250, 238, 233) looks like.

```
.text, #text, p{  
    color:rgb(250, 238, 233)  
}
```

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(250, 238, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 238, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7069, 87.3563, 89.4877 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(250, 238, 233) }
```



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

```
.border{ border-color:rgb(250, 238, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 238, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 238, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 238, 233);  
box-shadow:4px 4px 4px 4px rgb(250, 238,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7069, 87.3563, 89.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 238, 233) }
```

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

```
.background{ background-color: rgb(250,  
238, 233) }
```

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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