

# Converting Colors

XYZ(84.7643, 87.9442, 86.9560)

Have a look what the booklet for  
XYZ(84.7643, 87.9442, 86.9560)  
contains.

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# Color

**XYZ(84.7930, 87.8994,  
86.6259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBEFE5
RGB	251, 239, 229
RGB Percent	98%, 94%, 90%
CMY	0.0157, 0.0627, 0.1020
CMYK	0.00, 0.05, 0.09, 0.02
HSL	27°, 73%, 94%
HSV	27°, 9%, 98%
XYZ	84.7930, 87.8994, 86.6259
YIQ	241.4480, 10.3620, -0.5660

# Conversions

## Conversions Part 2

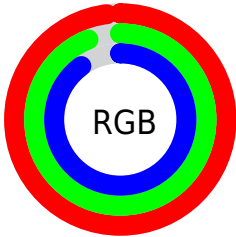
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 247, 229
Decimal	16510949
CIE Lab	95.12, 2.37, 6.26
CIE LCh	95, 6.696, 69.257
Yxy	87.8994, 0.3270, 0.3390
Android (android.graphics.Color)	4294701029 (0xFFFBFE5)
YUV	241.4480, -6.1369, 8.3771
Hunter-Lab	93.7547, -2.6329, 10.8465

# Details

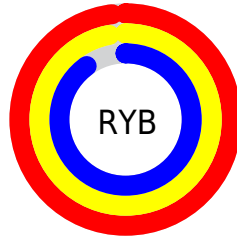
The XYZ color **84.7930, 87.8994, 86.6259** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.1807, 86.5320, 103.6913**, and the grayscale version is **84.0053, 88.3801, 96.2460**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8216, 48.3923, 46.9173** is the 20% darker color. If you saturate the color by 10%, you get **77.6833, 78.8882, 68.1975**, and if you desaturate by 10%, it is **92.7178, 97.7278, 107.8280**.

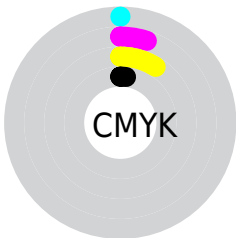
# Distribution



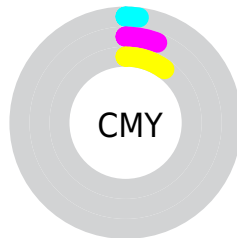
- Red (98%)
- Green (94%)
- Blue (90%)



- Red (98%)
- Yellow (97%)
- Blue (90%)



- Cyan (0%)
- Magenta (5%)
- Yellow (9%)
- Black (2%)



- Cyan (2%)
- Magenta (6%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7930, 87.8994, 86.6259 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 84.7930, 87.8994, 86.6259 by changing the saturation by 10% instead.



84.7930, 87.8994,  
86.6259

84.7930, 87.8994,  
86.6259

499.4369,  
521.1737, 537.2770

63.9923, 66.2398,  
64.6278

138.9995,  
144.4171, 144.5369

46.9061, 48.4671,  
46.7099

173.1359,  
180.0439, 181.2868

33.1690, 34.1969,  
32.4537

212.4483,  
221.0953, 223.7911

22.4158, 23.0449,  
21.4406

257.3020,  
267.9556, 272.4683

14.2811, 14.6267,  
13.2521

308.0623,  
321.0092, 327.7370

8.3994, 8.5578,  
7.4696

365.0947,

4.4055, 4.4539,

380.6405, 390.0156

3.6746

428.7644,  
447.2338, 459.7228

■ 1.9340, 1.9306,  
1.4486

■ 0.5965, 0.5667,  
0.1792

■ 84.7930, 87.8994,  
86.6259

■ 84.7930, 87.8994,  
86.6259

■ 77.6833, 78.8882,  
68.1975

■ 92.7178, 97.7278,  
107.8280

■ 71.3530, 70.6607,  
52.4208

■ 93.5940, 99.2494,  
108.8319

■ 65.7744, 63.1976,  
39.1733

■ 60.9154, 56.4745,  
28.3203

■ 56.7408, 50.4655,  
19.7145

■ 53.2124, 45.1429,  
13.1922

■ 50.2872, 40.4764,  
8.5669

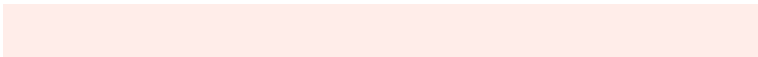
■ 47.9152, 36.4325,  
5.6180

■ 46.0275, 32.9692,  
4.0268

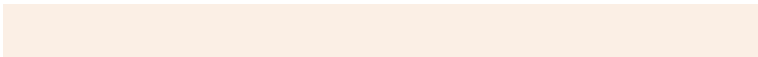
# Harmonies

## Analogous

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



86.2885, 87.8994, 89.4965



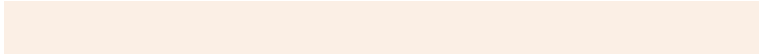
84.7930, 87.8994, 86.6259



82.9833, 87.8994, 86.1404

# Triad

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



84.7930, 87.8994, 86.6259



80.1347, 87.8994, 97.3309



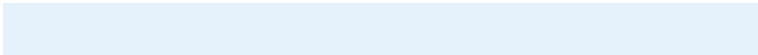
85.7828, 87.8994, 103.6904

# Complementary

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



84.7930, 87.8994, 86.6259



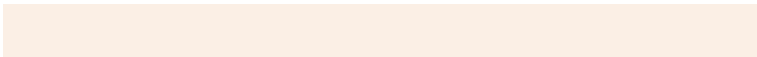
81.1807, 86.5320, 103.6913

# Split Complementary

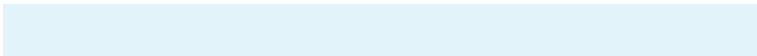
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1107, 87.8994, 105.9580



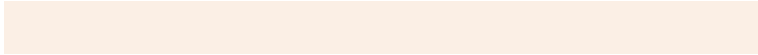
84.7930, 87.8994, 86.6259



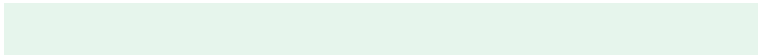
80.8617, 87.8994, 102.1995

# Square

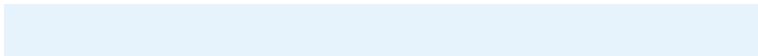
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7930, 87.8994, 86.6259



80.3114, 87.8994, 92.1969



82.3108, 87.8994, 105.4026

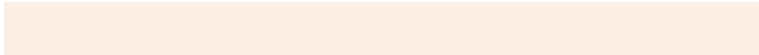


86.8658, 87.8994, 99.3061



# Rectangle

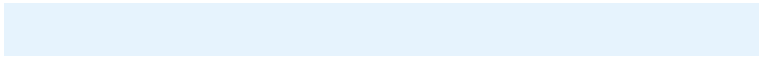
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7930, 87.8994, 86.6259



81.8449, 87.8994, 87.2164



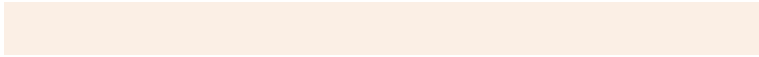
82.3108, 87.8994, 105.4026



85.2700, 87.8994, 104.7326

# Sweetspot

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



84.7954, 87.9033, 86.6278



92.5263, 96.8845, 102.1031



83.6962, 82.9059, 94.8897



19.6629, 20.5618, 21.4751



0.0000, 0.0000, 0.0000

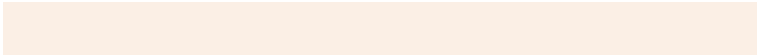


20.3446, 21.4041, 23.3091

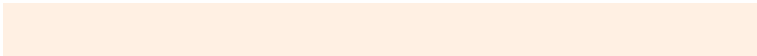


# Same Dimension

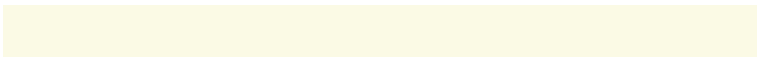
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7954, 87.9033, 86.6278



86.1718, 88.9505, 85.2643



88.0820, 94.4764, 87.7233



17.8948, 18.5254, 18.0950



24.2248, 17.4063, 2.0830

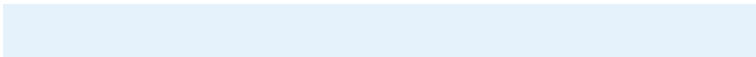


2.3481, 1.8210, 0.2277

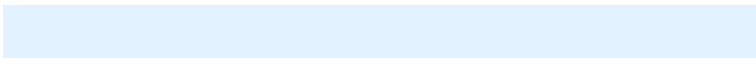


# Inverse Universe

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



81.1807, 86.5320, 103.6913



81.5376, 87.1924, 107.1401



78.0515, 80.2736, 102.6483



17.0674, 18.2115, 22.0009



13.9918, 13.3391, 49.8108

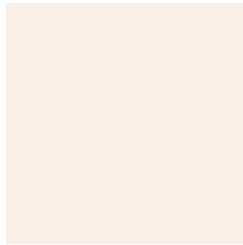


1.4018, 1.4474, 4.6487



# Previews

## White Background



This preview shows how the XYZ color 84.7930, 87.8994, 86.6259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

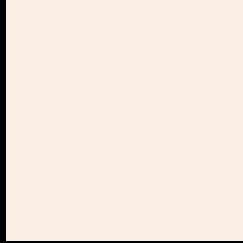
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7930, 87.8994, 86.6259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

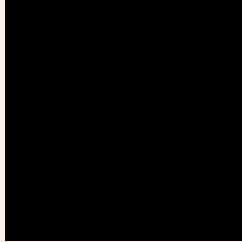
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.7930, 87.8994, 86.6259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.7930, 87.8994, 86.6259.



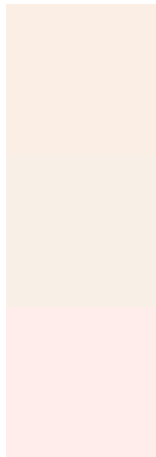
This preview shows how white text looks on a background with the XYZ color 84.7930, 87.8994,

86.6259.

# 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

84.7930, 87.8994, 86.6259

### Protanopia

84.1544, 87.9898, 87.4112

### Deuteranopia

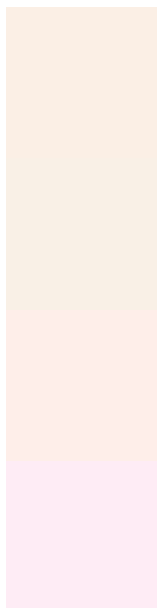
86.6645, 87.8845, 91.7526



## Tritanopia

88.8377, 87.8324, 106.0370

# Trichromacy



## Original Color

84.7930, 87.8994, 86.6259

## Protanomaly

84.5099, 88.1731, 87.4279

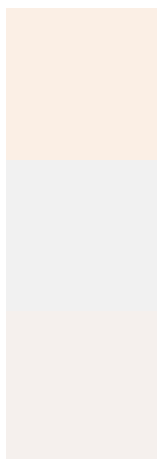
## Deuteranomaly

86.1556, 88.1031, 89.5555

## Tritanomaly

87.3499, 87.6543, 98.7013

# Monochromacy



## Original Color

84.7930, 87.8994, 86.6259

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.1023, 87.8471, 92.6443

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7930, 87.8994, 86.6259 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(251, 239, 229) looks like.

```
.text, #text, p{  
    color:rgb(251, 239, 229)  
}
```

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(251, 239, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 239, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7930, 87.8994, 86.6259 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(251, 239, 229) }
```



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

```
.border{ border-color:rgb(251, 239, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 239, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 239, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 239, 229);  
box-shadow:4px 4px 4px 4px rgb(251, 239,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7930, 87.8994, 86.6259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 239, 229) }
```

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

```
.background{ background-color: rgb(251,  
239, 229) }
```

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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