

# Converting Colors

XYZ(83.1404, 86.8562, 83.1008)

Have a look what the booklet for  
XYZ(83.1404, 86.8562, 83.1008)  
contains.

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# Color

**XYZ(83.0960, 86.6706,  
82.8705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9EEEE
RGB	249, 238, 224
RGB Percent	98%, 93%, 88%
CMY	0.0235, 0.0666, 0.1216
CMYK	0.00, 0.04, 0.10, 0.02
HSL	34°, 68%, 93%
HSV	34°, 10%, 98%
XYZ	83.0960, 86.6706, 82.8705
YIQ	239.6930, 11.0500, -2.0220

# Conversions

## Conversions Part 2

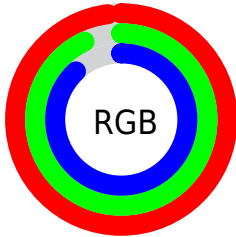
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 249, 224
Decimal	16379616
CIE <sub>Lab</sub>	94.60, 1.38, 8.08
CIE <sub>LCh</sub>	95, 8.200, 80.302
Yxy	86.6706, 0.3289, 0.3431
Android (android.graphics.Color)	4294569696 (0xFFFF9EEE0)
YUV	239.6930, -7.7366, 8.1622
Hunter-Lab	93.0970, -3.5954, 12.3908

# Details

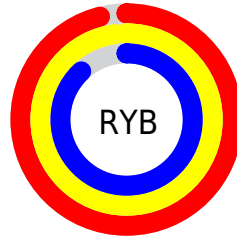
The XYZ color **83.0960, 86.6706, 82.8705** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5475, 82.1021, 101.3835**, and the grayscale version is **82.6389, 86.9426, 94.6805**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6276, 47.5269, 44.3049** is the 20% darker color. If you saturate the color by 10%, you get **76.8719, 79.2362, 65.3373**, and if you desaturate by 10%, it is **90.0134, 94.6985, 103.0767**.

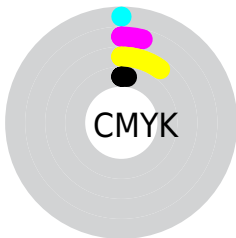
# Distribution



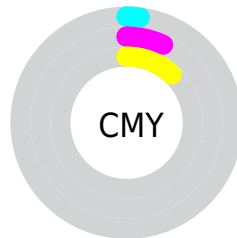
- Red (98%)
- Green (93%)
- Blue (88%)



- Red (96%)
- Yellow (98%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0960, 86.6706, 82.8705 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 83.0960, 86.6706, 82.8705 by changing the saturation by 10% instead.




 83.0960, 86.6706,  
82.8705

 83.0960, 86.6706,  
82.8705


493.8855,  
517.1399, 524.5145

 62.5865, 65.2226,  
61.5433


136.6377,  
142.7049, 139.2417

 45.7642, 47.6416,  
44.2304


170.4007,  
178.0601, 175.1228

 32.2636, 33.5432,  
30.5132


209.3122,  
218.8198, 216.6923

 21.7195, 22.5429,  
19.9731

253.7377,  
265.3684, 264.3687

 13.7663, 14.2563,  
12.1916

304.0423,  
318.0903, 318.5706

 8.0390, 8.2992,  
6.7502

360.5916,

 4.1719, 4.2870,

377.3699, 379.7165

3.2303

423.7509,  
443.5916, 448.2250

■ 1.7998, 1.8354,  
1.2134

■ 0.5176, 0.5091,  
0.0000

■ 83.0960, 86.6706,  
82.8705

■ 83.0960, 86.6706,  
82.8705

■ 76.8719, 79.2362,  
65.3373

■ 90.0134, 94.6985,  
103.0767

■ 71.3092, 72.3683,  
50.3576

■ 92.8773, 98.8799,  
108.7983

■ 66.3838, 66.0546,  
37.8111

■ 62.0672, 60.2780,  
27.5656

■ 58.3283, 55.0200,  
19.4761

■ 55.1328, 50.2607,  
13.3807

■ 52.4419, 45.9783,  
9.0946

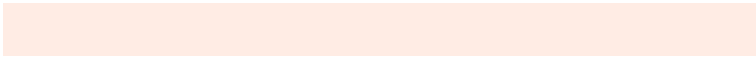
■ 50.2100, 42.1479,  
6.3975

■ 48.3705, 38.7463,  
4.9294

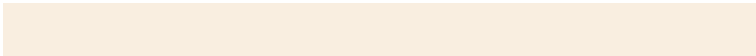
# Harmonies

## Analogous

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



85.1230, 86.6706, 85.3087



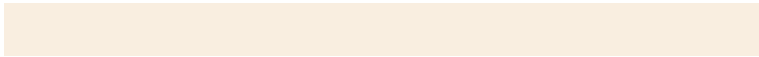
83.0960, 86.6706, 82.8705



80.9116, 86.6706, 83.4056

# Triad

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



83.0960, 86.6706, 82.8705



78.4549, 86.6706, 98.6570



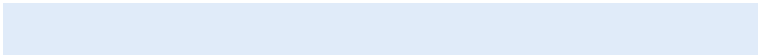
85.6921, 86.6706, 102.3615

# Complementary

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



83.0960, 86.6706, 82.8705



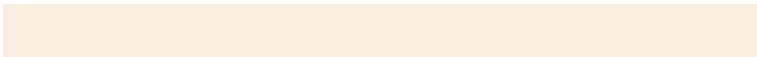
77.5475, 82.1021, 101.3835

# Split Complementary

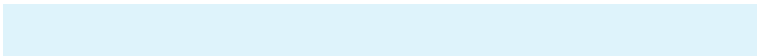
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8616, 86.6706, 106.2545



83.0960, 86.6706, 82.8705



79.6922, 86.6706, 104.0502

# Square

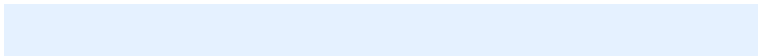
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0960, 86.6706, 82.8705



78.2582, 86.6706, 92.3335



81.6638, 86.6706, 106.8860

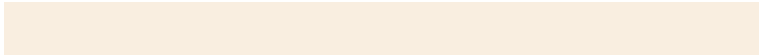


86.6395, 86.6706, 96.4354



# Rectangle

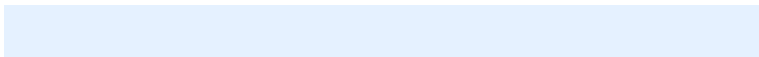
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0960, 86.6706, 82.8705



79.6587, 86.6706, 85.3858



81.6638, 86.6706, 106.8860



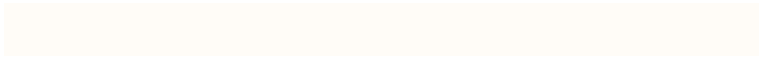
85.1581, 86.6706, 103.9623

# Sweetspot

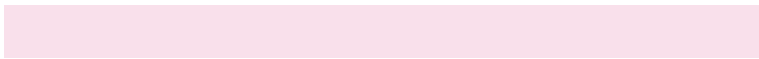
The Sweet Spot groups the original color and five complimentary colors.



83.0984, 86.6744, 82.8724



92.7786, 97.3891, 102.1871



80.7552, 79.4649, 89.8699



19.7309, 20.6980, 21.4977



0.0000, 0.0000, 0.0000

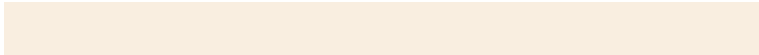


20.3446, 21.4041, 23.3091

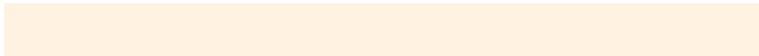


# Same Dimension

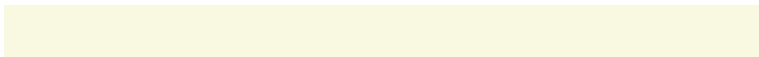
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0984, 86.6744, 82.8724



86.3647, 89.8953, 83.6054



85.9540, 93.0450, 83.9515



18.0512, 18.8383, 18.1472



26.0357, 21.0281, 2.6866

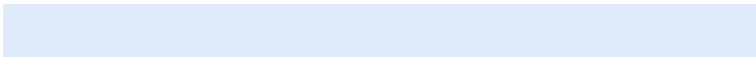


2.5170, 2.1588, 0.2840

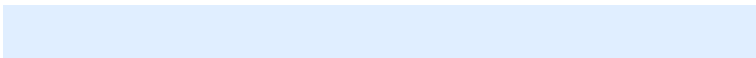


# Inverse Universe

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



77.5475, 82.1021, 101.3835



79.4479, 84.1979, 106.6722



74.8851, 76.1999, 100.3846



16.9112, 17.8993, 21.9489



12.2455, 9.8466, 49.2287

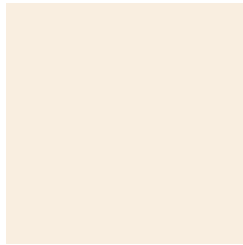


1.2377, 1.1191, 4.5940



# Previews

## White Background



This preview shows how the XYZ color 83.0960, 86.6706, 82.8705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

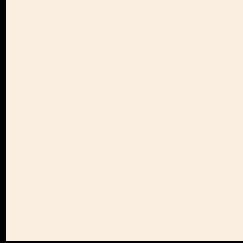
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.0960, 86.6706, 82.8705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

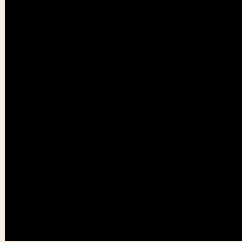
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

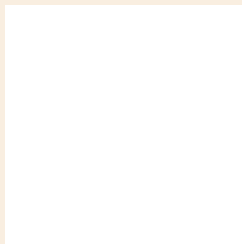
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.0960, 86.6706, 82.8705

## Background



This preview shows how black text looks on a background with the XYZ color 83.0960, 86.6706, 82.8705.



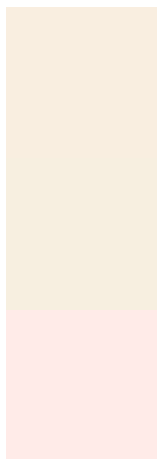
This preview shows how white text looks on a background with the XYZ color 83.0960, 86.6706,

82.8705.

# 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

83.0960, 86.6706, 82.8705

### Protanopia

82.6788, 86.8890, 82.9346

### Deuteranopia

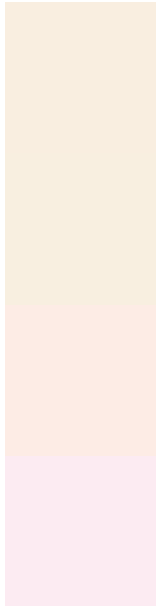
85.5138, 86.5029, 88.5336



## Tritanopia

87.5015, 86.7566, 104.2293

# Trichromacy



## Original Color

83.0960, 86.6706, 82.8705

## Protanomaly

83.0324, 87.0713, 82.9512

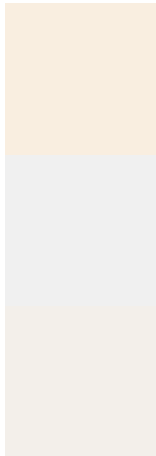
## Deuteranomaly

84.6463, 86.5307, 86.3695

## Tritanomaly

85.8802, 86.5229, 96.1786

# Monochromacy



## Original Color

83.0960, 86.6706, 82.8705

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.6799, 86.7282, 90.2244

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0960, 86.6706, 82.8705 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(249, 238, 224) looks like.

```
.text, #text, p{  
    color:rgb(249, 238, 224)  
}
```

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(249, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 238, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0960, 86.6706, 82.8705 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(249, 238, 224) }
```



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

```
.border{ border-color:rgb(249, 238, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 238, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(249, 238,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0960, 86.6706, 82.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 238, 224) }
```

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

```
.background{ background-color: rgb(249,  
238, 224) }
```

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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