

Converting Colors

XYZ(80.9844, 84.5990, 87.0251)

Have a look what the booklet for
XYZ(80.9844, 84.5990, 87.0251)
contains.

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Color

**XYZ(80.8963, 84.5813,
86.9250)**

Conversions

Conversions Part 1

Format	Color
Hex	F2ECE6
RGB	242, 236, 230
RGB Percent	95%, 93%, 90%
CMY	0.0510, 0.0745, 0.0980
CMYK	0.00, 0.02, 0.05, 0.05
HSL	30°, 32%, 93%
HSV	30°, 5%, 95%
XYZ	80.8963, 84.5813, 86.9250
YIQ	237.1100, 5.5020, -0.5940

Conversions

Conversions Part 2

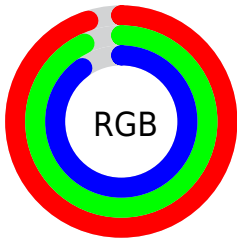
Format	Color
R _Y B	242, 242, 230
Decimal	15920358
CIE Lab	93.70, 0.99, 3.61
CIE LCh	94, 3.740, 74.703
Yxy	84.5813, 0.3205, 0.3351
Android (android.graphics.Color)	4294110438 (0xFF F2 ECE6)
YUV	237.1100, -3.5052, 4.2885
Hunter-Lab	91.9681, -3.9333, 8.3388

Details

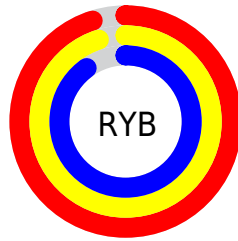
The XYZ color **80.8963, 84.5813, 86.9250** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.6555, 83.2234, 95.9235**, and the grayscale version is **80.6062, 84.8039, 92.3515**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3088, 46.1768, 47.1351** is the 20% darker color. If you saturate the color by 10%, you get **74.3675, 76.5894, 69.1298**, and if you desaturate by 10%, it is **88.1374, 93.2407, 107.2873**.

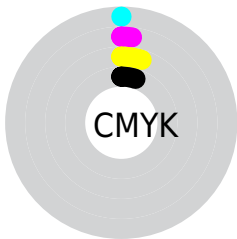
Distribution



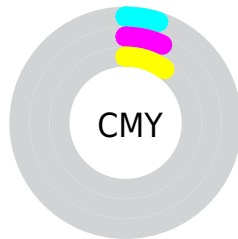
- Red (95%)
- Green (93%)
- Blue (90%)



- Red (95%)
- Yellow (95%)
- Blue (90%)



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



- Cyan (5%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8963, 84.5813, 86.9250 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 80.8963, 84.5813, 86.9250 by changing the saturation by 10% instead.

80.8963, 84.5813,
86.9250

80.8963, 84.5813,
86.9250

486.6390,
510.2416, 538.2862

60.7672, 63.4955,
64.8739

133.5691,
139.7880, 144.9575

44.2891, 46.2422,
46.9081

166.8434,
174.6777, 181.7760

31.0968, 32.4370,
32.6092

205.2303,
214.9375, 224.3541

20.8247, 21.6955,
21.5586

249.0950,
260.9518, 273.1102

13.1077, 13.6333,
13.3377

298.8028,
313.1050, 328.4629

7.5802, 7.8661,
7.5280

354.7192,

3.8771, 4.0094,

371.7814, 390.8308

3.7111

417.2095,
437.3654, 460.6324

■ 1.6328, 1.6788,
1.4682

■ 0.4137, 0.4099,
0.1941

■ 80.8963, 84.5813,
86.9250

■ 80.8963, 84.5813,
86.9250

■ 74.3675, 76.5894,
69.1298

■ 88.1374, 93.2407,
107.2873

■ 68.5200, 69.2370,
53.7930

■ 90.4284, 97.6175,
108.6837

■ 63.3307, 62.5100,
40.8059

■ 58.7725, 56.3895,
30.0498

■ 54.8159, 50.8558,
21.3953

■ 51.4288, 45.8875,
14.6995

■ 48.5757, 41.4615,
9.8014

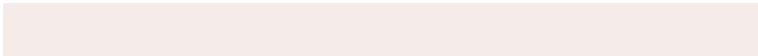
■ 46.2155, 37.5524,
6.5138

■ 44.2991, 34.1308,
4.6074

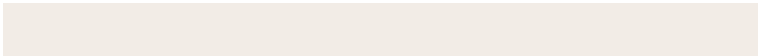
Harmonies

Analogous

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



81.7554, 84.5813, 88.3050



80.8963, 84.5813, 86.9250



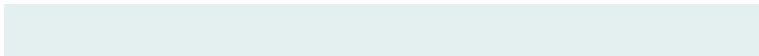
79.9088, 84.5813, 86.9109

Triad

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



80.8963, 84.5813, 86.9250



78.5610, 84.5813, 93.4882



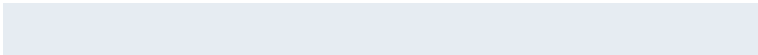
81.7413, 84.5813, 96.0324

Complementary

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



80.8963, 84.5813, 86.9250



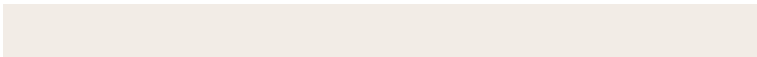
78.6555, 83.2234, 95.9235

Split Complementary

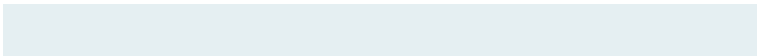
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8771, 84.5813, 97.4806



80.8963, 84.5813, 86.9250



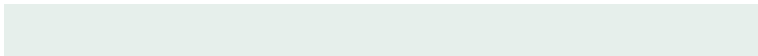
79.0438, 84.5813, 95.9912

Square

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



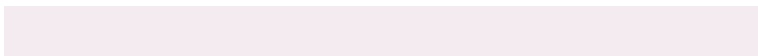
80.8963, 84.5813, 86.9250



78.5660, 84.5813, 90.6609



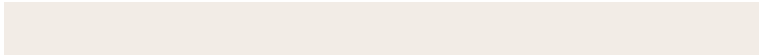
79.8898, 84.5813, 97.4653



82.2460, 84.5813, 93.5435

Rectangle

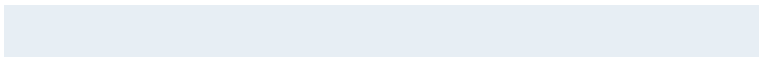
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



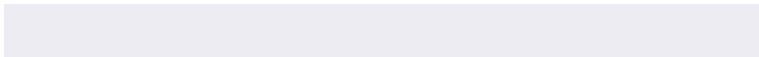
80.8963, 84.5813, 86.9250



79.3109, 84.5813, 87.6760



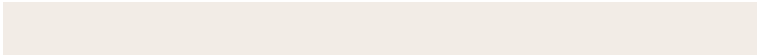
79.8898, 84.5813, 97.4653



81.4829, 84.5813, 96.6593

Sweetspot

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



80.8987, 84.5850, 86.9268



94.2370, 99.0266, 106.6170



80.0562, 81.5282, 90.8751



20.1792, 21.2061, 22.8445



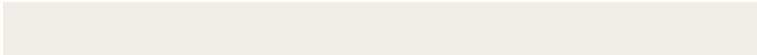
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.8987, 84.5850, 86.9268



90.2932, 94.2726, 95.6421



82.6541, 88.0958, 87.5120



16.8257, 17.5524, 17.6733



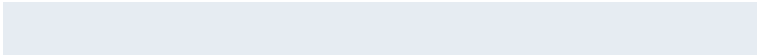
23.4871, 17.7722, 2.1925



2.0534, 1.6775, 0.2156

Inverse Universe

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



78.6555, 83.2234, 95.9235



87.2496, 92.4252, 107.8490



76.9581, 79.8287, 95.3578



16.2001, 17.1726, 20.1824



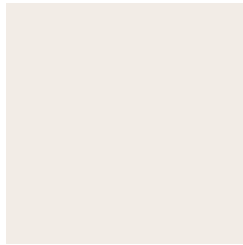
12.4140, 11.0522, 46.6069



1.1322, 1.1184, 3.9104

Previews

White Background



This preview shows how the XYZ color 80.8963, 84.5813, 86.9250 looks on a white background.

Color Contrast Check

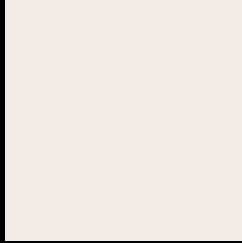
Large Text (above 18pt) WCAG AA × Fail

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 80.8963, 84.5813, 86.9250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

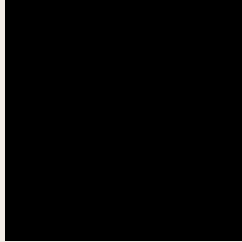
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

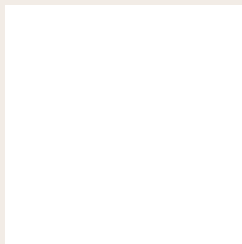
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8963, 84.5813, 86.9250

Background



This preview shows how black text looks on a background with the XYZ color 80.8963, 84.5813, 86.9250.



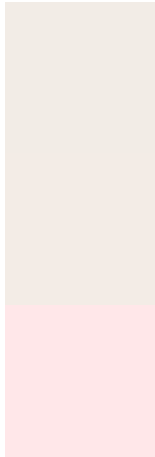
This preview shows how white text looks on a background with the XYZ color 80.8963, 84.5813,

86.9250.

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

80.8963, 84.5813, 86.9250

Protanopia

81.2405, 84.7588, 86.9412

Deuteranopia

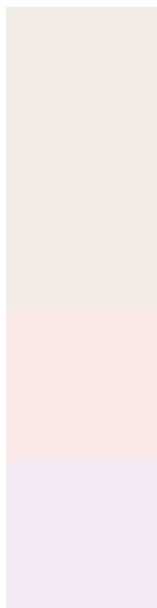
84.5239, 84.2950, 88.9065



Tritanopia

84.2077, 84.6553, 103.1687

Trichromacy



Original Color

80.8963, 84.5813, 86.9250

Protanomaly

81.2405, 84.7588, 86.9412

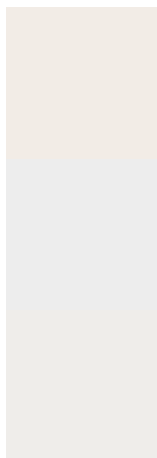
Deuteranomaly

83.1287, 84.4280, 88.2588

Tritanomaly

82.9087, 84.5498, 96.7440

Monochromacy



Original Color

80.8963, 84.5813, 86.9250

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.7321, 84.8596, 89.9664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8963, 84.5813, 86.9250 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(242, 236, 230) looks like.

```
.text, #text, p{  
    color:rgb(242, 236, 230)  
}
```

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(242, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 236, 230) }
```

Border

The CSS property to change the border of an element to XYZ 80.8963, 84.5813, 86.9250 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(242, 236, 230) }
```


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

```
.border{ border-color:rgb(242, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(242, 236,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8963, 84.5813, 86.9250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 236, 230) }
```

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

```
.background{ background-color: rgb(242,  
236, 230) }
```

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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