

Converting Colors

XYZ(83.8931, 86.5888, 90.8902)

Have a look what the booklet for
XYZ(83.8931, 86.5888, 90.8902)
contains.

XYZ(83.9910, 86.5230, 90.8711)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.9910, 86.5230,
90.8711)**

Conversions

Conversions Part 1

Format	Color
Hex	F8EDEB
RGB	248, 237, 235
RGB Percent	97%, 93%, 92%
CMY	0.0274, 0.0706, 0.0784
CMYK	0.00, 0.04, 0.05, 0.03
HSL	9°, 48%, 95%
HSV	9°, 5%, 97%
XYZ	83.9910, 86.5230, 90.8711
YIQ	240.0610, 7.1980, 1.7100

Conversions

Conversions Part 2

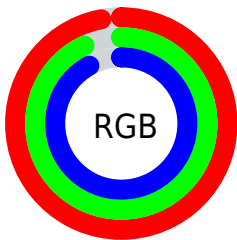
Format	Color
R_{YB}	248, 237, 235
Decimal	16313835
CIE Lab	94.54, 3.36, 2.28
CIE LCh	95, 4.061, 34.114
Yxy	86.5230, 0.3213, 0.3310
Android (android.graphics.Color)	4294503915 (0xFFFF8EDEB)
YUV	240.0610, -2.4951, 6.9625
Hunter-Lab	93.0177, -1.6033, 7.1907

Details

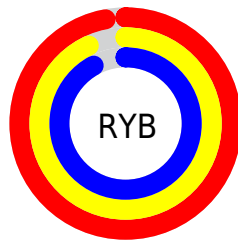
The XYZ color **83.9910, 86.5230, 90.8711** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.1599, 90.3497, 101.8116**, and the grayscale version is **82.8893, 87.2060, 94.9673**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3988, 47.5089, 49.3725** is the 20% darker color. If you saturate the color by 10%, you get **74.9333, 73.7467, 71.3896**, and if you desaturate by 10%, it is **92.5219, 98.6967, 108.7817**.

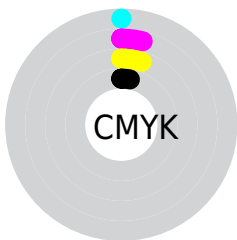
Distribution



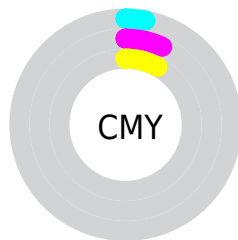
- Red (97%)
- Green (93%)
- Blue (92%)



- Red (97%)
- Yellow (93%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (3%)



- Cyan (3%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9910, 86.5230, 90.8711 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 83.9910, 86.5230, 90.8711 by changing the saturation by 10% instead.

83.9910, 86.5230,
90.8711

83.9910, 86.5230,
90.8711

496.8175,
516.6542, 551.5035

63.3277, 65.1005,
68.1256

137.8839,
142.4991, 150.4939

46.3660, 47.5426,
49.5326

171.8442,
177.8215, 188.2082

32.7406, 33.4648,
34.6736

210.9676,
218.5461, 231.7492

22.0861, 22.4828,
23.1300

255.6193,
265.0571, 281.5355

14.0371, 14.2121,
14.4833

306.1648,
317.7390, 337.9855

8.2284, 8.2683,
8.3150

362.9695,

4.2944, 4.2671,

376.9763, 401.5178

4.2065

426.3986,
443.1532, 472.5510

■ 1.8700, 1.8241,
1.7393

■ 0.5593, 0.5021,
0.3875

■ 83.9910, 86.5230,
90.8711

■ 83.9910, 86.5230,
90.8711

■ 74.9333, 73.7467,
71.3896

■ 92.5219, 98.6967,
108.7817

■ 67.0382, 62.5303,
54.6577

■ 60.2605, 52.8174,
40.5529

■ 54.5492, 44.5437,
28.9413

■ 49.8491, 37.6403,
19.6772

■ 46.1001, 32.0327,
12.5998

■ 43.2355, 27.6389,
7.5278

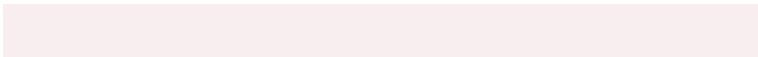
■ 41.1796, 24.3678,
4.2506

■ 39.8429, 22.1144,
2.5100

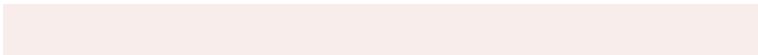
Harmonies

Analogous

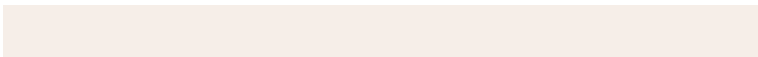
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3530, 86.5230, 93.7774



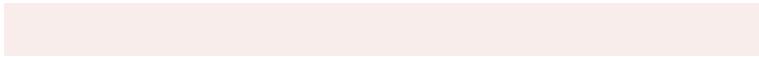
83.9910, 86.5230, 90.8711



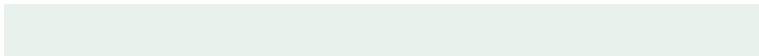
83.1591, 86.5230, 88.8934

Triad

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



83.9910, 86.5230, 90.8711



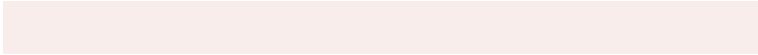
80.3599, 86.5230, 91.6037



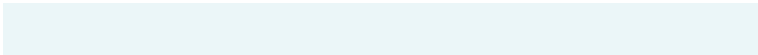
82.3885, 86.5230, 100.3449

Complementary

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



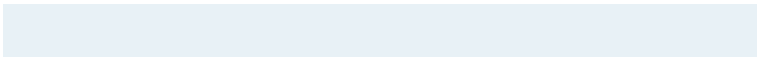
83.9910, 86.5230, 90.8711



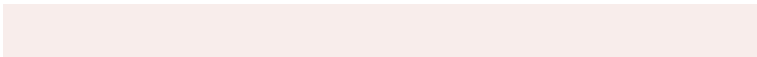
84.1599, 90.3497, 101.8116

Split Complementary

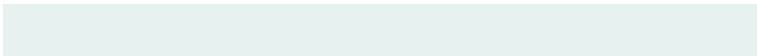
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3228, 86.5230, 99.7321



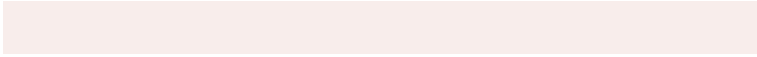
83.9910, 86.5230, 90.8711



80.1577, 86.5230, 94.6416

Square

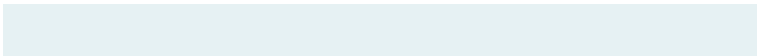
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9910, 86.5230, 90.8711



81.0637, 86.5230, 89.3097



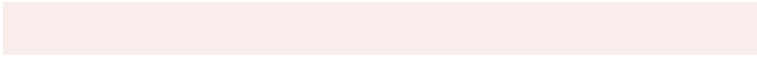
80.5086, 86.5230, 97.6273



83.4226, 86.5230, 99.2839

Rectangle

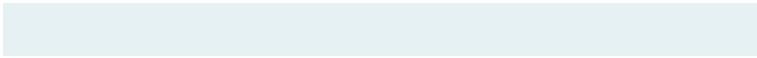
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



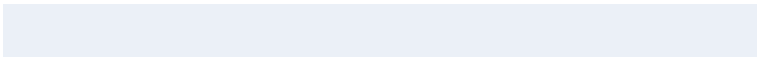
83.9910, 86.5230, 90.8711



82.4534, 86.5230, 88.3437



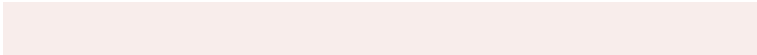
80.5086, 86.5230, 97.6273



82.0220, 86.5230, 100.3280

Sweetspot

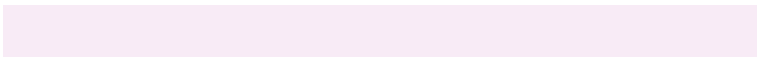
The Sweet Spot groups the original color and five complimentary colors.



83.9934, 86.5268, 90.8730



92.8789, 96.9544, 104.1791



85.0632, 86.0313, 99.3526



19.9027, 20.7842, 22.3481



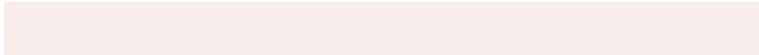
0.0000, 0.0000, 0.0000



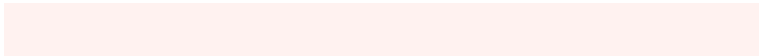
20.3446, 21.4041, 23.3091

Same Dimension

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



83.9934, 86.5268, 90.8730



88.6933, 91.0728, 95.1088



85.8934, 90.3267, 91.5063



18.0402, 18.4735, 19.2001



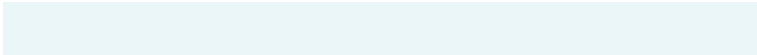
21.3536, 11.6638, 1.1259



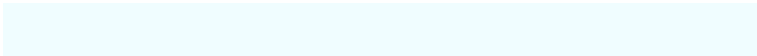
2.0392, 1.2033, 0.1248

Inverse Universe

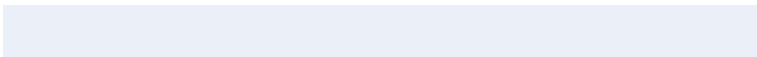
The Inverse Universe completely reimagines the original color for something new.



84.1599, 90.3497, 101.8116



88.8955, 95.7170, 108.3977



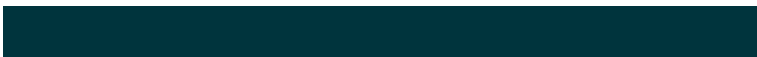
82.2332, 86.4963, 101.1694



18.0858, 19.5220, 22.2002



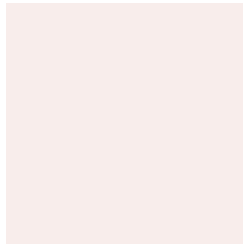
21.6556, 28.6668, 52.3654



2.0652, 2.7741, 4.8698

Previews

White Background



This preview shows how the XYZ color 83.9910, 86.5230, 90.8711 looks on a white background.

Color Contrast Check

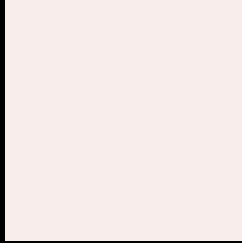
Large Text (above 18pt) WCAG AA × Fail

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 83.9910, 86.5230, 90.8711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

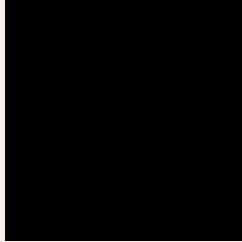
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

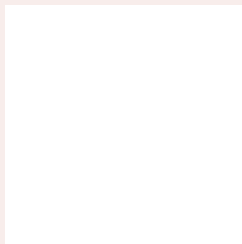
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.9910, 86.5230, 90.8711

Background



This preview shows how black text looks on a background with the XYZ color 83.9910, 86.5230, 90.8711.



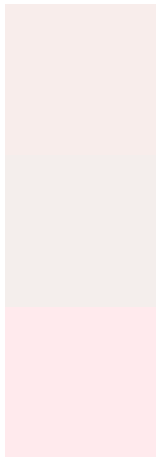
This preview shows how white text looks on a background with the XYZ color 83.9910, 86.5230,

90.8/11.

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

83.9910, 86.5230, 90.8711

Protanopia

83.0231, 86.4383, 91.6654

Deuteranopia

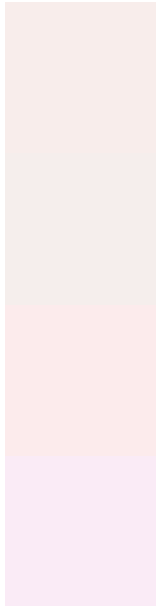
85.9489, 86.2201, 92.2329



Tritanopia

86.9361, 86.4467, 105.0324

Trichromacy



Original Color

83.9910, 86.5230, 90.8711

Protanomaly

83.3710, 86.6177, 91.6816

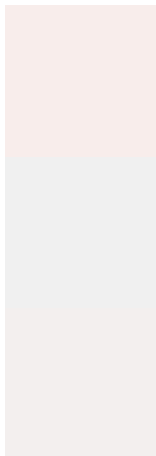
Deuteranomaly

84.9935, 86.1682, 91.5094

Tritanomaly

85.7672, 86.3945, 99.3442

Monochromacy



Original Color

83.9910, 86.5230, 90.8711

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.2613, 86.9607, 93.2857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9910, 86.5230, 90.8711 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(248, 237, 235) looks like.

```
.text, #text, p{  
    color:rgb(248, 237, 235)  
}
```

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(248, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 237, 235) }
```

Border

The CSS property to change the border of an element to XYZ 83.9910, 86.5230, 90.8711 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(248, 237, 235) }
```


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

```
.border{ border-color:rgb(248, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 237, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 237, 235);  
box-shadow:4px 4px 4px 4px rgb(248, 237,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9910, 86.5230, 90.8711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 237, 235) }
```

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

```
.background{ background-color: rgb(248,  
237, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor