

Converting Colors

XYZ(83.4733, 85.9865, 87.6191)

Have a look what the booklet for
XYZ(83.4733, 85.9865, 87.6191)
contains.

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Color

**XYZ(83.4862, 85.9002,
87.7815)**

Conversions

Conversions Part 1

Format	Color
Hex	F9ECE7
RGB	249, 236, 231
RGB Percent	98%, 93%, 91%
CMY	0.0235, 0.0745, 0.0941
CMYK	0.00, 0.05, 0.07, 0.02
HSL	17°, 60%, 94%
HSV	17°, 7%, 98%
XYZ	83.4862, 85.9002, 87.7815
YIQ	239.3170, 9.3530, 1.2010

Conversions

Conversions Part 2

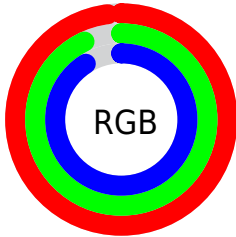
Format	Color
R _Y B	249, 238, 231
Decimal	16379111
CIE Lab	94.27, 3.55, 3.98
CIE LCh	94, 5.329, 48.293
Yxy	85.9002, 0.3246, 0.3340
Android (android.graphics.Color)	4294569191 (0xFF9ECE7)
YUV	239.3170, -4.1003, 8.4920
Hunter-Lab	92.6824, -1.4053, 8.7228

Details

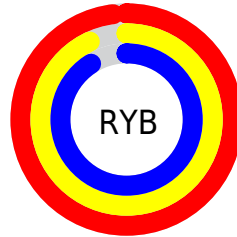
The XYZ color **83.4862, 85.9002, 87.7815** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.4044, 88.5283, 102.3681**, and the grayscale version is **82.3189, 86.6059, 94.3139**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0514, 47.0751, 47.2167** is the 20% darker color. If you saturate the color by 10%, you get **75.2992, 74.7589, 68.9184**, and if you desaturate by 10%, it is **92.5539, 98.2330, 108.6905**.

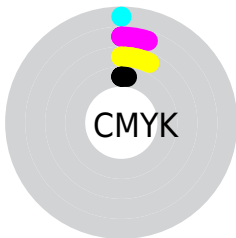
Distribution



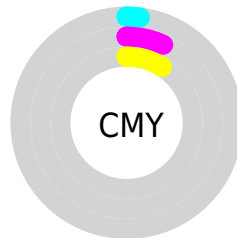
- Red (98%)
- Green (93%)
- Blue (91%)



- Red (98%)
- Yellow (93%)
- 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 83.4862, 85.9002, 87.7815 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 83.4862, 85.9002, 87.7815 by changing the saturation by 10% instead.


 83.4862, 85.9002,
87.7815

 83.4862, 85.9002,
87.7815

495.1649,
514.6021, 541.1702

 62.9096, 64.5855,
65.5788


137.1812,
141.6302, 146.1614

 46.0264, 47.1250,
47.4763


171.0303,
176.8143, 183.1757

 32.4714, 33.1345,
33.0553


210.0343,
217.3902, 225.9642

 21.8791, 22.2295,
21.8973

254.5585,
263.7424, 274.9456

 13.8842, 14.0256,
13.5839

304.9684,
316.2553, 330.5384

 8.1213, 8.1385,
7.6964

361.6291,

 4.2251, 4.1837,

375.3133, 393.1610

3.8163

424.9062,
441.3008, 463.2321

■ 1.8303, 1.7768,
1.5251

■ 0.5358, 0.4727,
0.2365

■ 83.4862, 85.9002,
87.7815

■ 83.4862, 85.9002,
87.7815

■ 75.2992, 74.7589,
68.9184

■ 92.5539, 98.2330,
108.6905

■ 68.0948, 64.8169,
52.7464

■ 92.8774, 98.8800,
108.7983

■ 61.8368, 56.0368,
39.1435

■ 56.4842, 48.3752,
27.9759

■ 51.9924, 41.7857,
19.0978

■ 48.3130, 36.2187,
12.3478

■ 45.3922, 31.6200,
7.5427

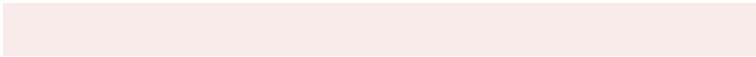
■ 43.1688, 27.9301,
4.4681

■ 41.5680, 25.0808,
2.8484

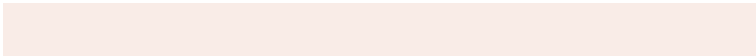
Harmonies

Analogous

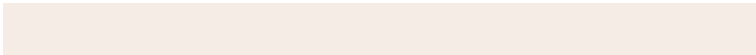
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2807, 85.9002, 91.0839



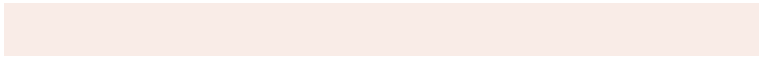
83.4862, 85.9002, 87.7815



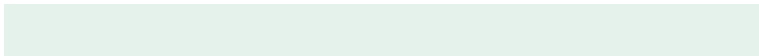
82.2040, 85.9002, 86.0393

Triad

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



83.4862, 85.9002, 87.7815



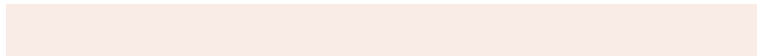
78.9861, 85.9002, 91.9441



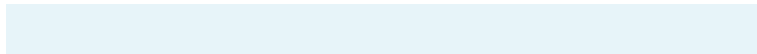
82.5105, 85.9002, 101.1981

Complementary

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



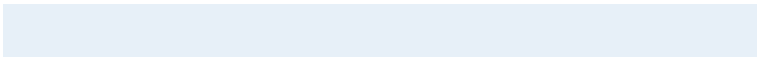
83.4862, 85.9002, 87.7815



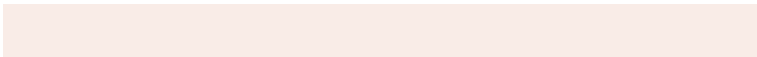
82.4044, 88.5283, 102.3681

Split Complementary

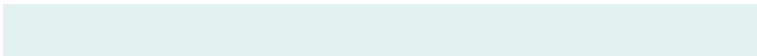
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0897, 85.9002, 101.4448



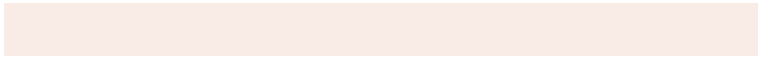
83.4862, 85.9002, 87.7815



79.0660, 85.9002, 96.0209

Square

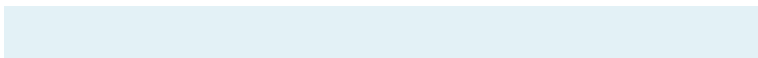
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4862, 85.9002, 87.7815



79.6126, 85.9002, 88.3954



79.8322, 85.9002, 99.5256



83.7128, 85.9002, 98.8612

Rectangle

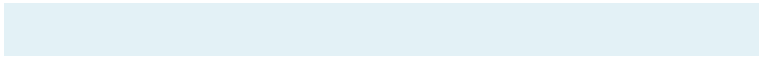
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4862, 85.9002, 87.7815



81.2501, 85.9002, 85.9624



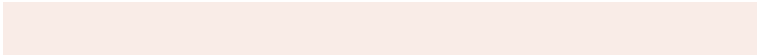
79.8322, 85.9002, 99.5256



82.0423, 85.9002, 101.5307

Sweetspot

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



83.4886, 85.9040, 87.7833



93.0762, 97.3490, 104.2449



84.0035, 83.8366, 97.5030



19.9429, 20.8645, 22.3615



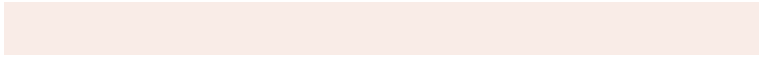
0.0000, 0.0000, 0.0000



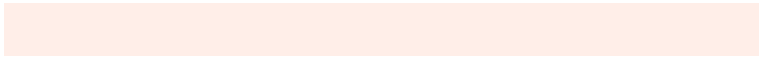
20.3446, 21.4041, 23.3091

Same Dimension

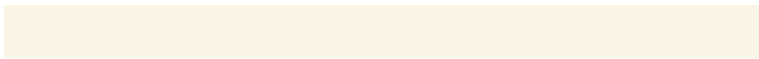
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4886, 85.9040, 87.7833



86.5127, 88.4892, 88.9016



86.0838, 91.0943, 88.6484



17.6374, 18.0106, 18.0092



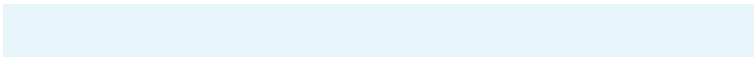
22.1607, 13.2780, 1.3949



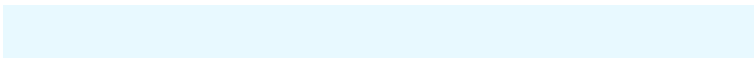
2.1375, 1.3998, 0.1575

Inverse Universe

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



82.4044, 88.5283, 102.3681



85.1031, 91.9004, 107.8609



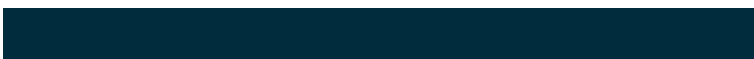
79.8207, 83.3610, 101.5068



17.3340, 18.7448, 22.0898



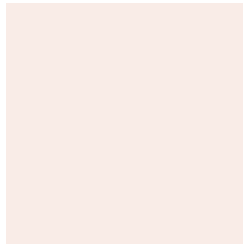
17.9903, 21.3361, 51.1437



1.7553, 2.1542, 4.7665

Previews

White Background



This preview shows how the XYZ color 83.4862, 85.9002, 87.7815 looks on a white background.

Color Contrast Check

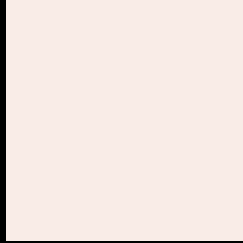
Large Text (above 18pt) WCAG AA × Fail

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 83.4862, 85.9002, 87.7815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

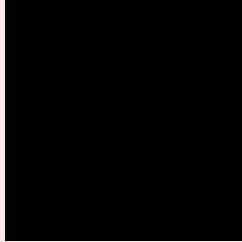
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

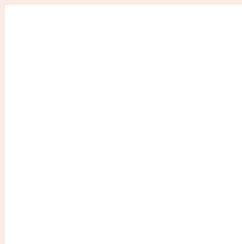
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.4862, 85.9002, 87.7815

Background



This preview shows how black text looks on a background with the XYZ color 83.4862, 85.9002, 87.7815.



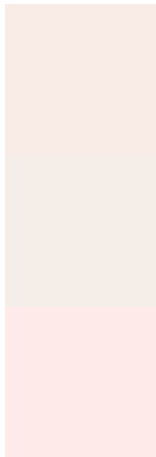
This preview shows how white text looks on a background with the XYZ color 83.4862, 85.9002,

87.7815.

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

83.4862, 85.9002, 87.7815

Protanopia

82.1579, 85.6277, 88.5415

Deuteranopia

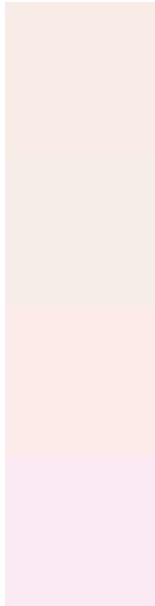
85.5141, 86.0462, 89.9434



Tritanopia

86.6964, 85.9383, 103.2851

Trichromacy



Original Color

83.4862, 85.9002, 87.7815

Protanomaly

82.8557, 85.9874, 88.5742

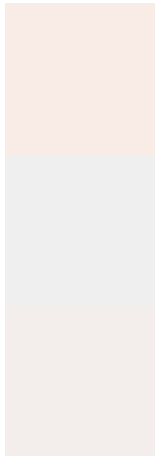
Deuteranomaly

84.9243, 86.1825, 89.2497

Tritanomaly

85.5356, 85.8865, 97.6575

Monochromacy



Original Color

83.4862, 85.9002, 87.7815

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.6770, 86.2599, 91.6492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4862, 85.9002, 87.7815 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, 236, 231) looks like.

```
.text, #text, p{  
    color:rgb(249, 236, 231)  
}
```

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, 236, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 236, 231) }
```

Border

The CSS property to change the border of an element to XYZ 83.4862, 85.9002, 87.7815 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, 236, 231) }
```


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

```
.border{ border-color:rgb(249, 236, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 236, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 236, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 236, 231);  
box-shadow:4px 4px 4px 4px rgb(249, 236,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4862, 85.9002, 87.7815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 236, 231) }
```

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

```
.background{ background-color: rgb(249,  
236, 231) }
```

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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