

Converting Colors

XYZ(83.1133, 87.2024, 87.3920)

Have a look what the booklet for
XYZ(83.1133, 87.2024, 87.3920)
contains.

XYZ(82.8056, 86.8587, 87.2640)	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(82.8056, 86.8587,
87.2640)**

Conversions

Conversions Part 1

Format	Color
Hex	F5EFE6
RGB	245, 239, 230
RGB Percent	96%, 94%, 90%
CMY	0.0392, 0.0627, 0.0980
CMYK	0.00, 0.02, 0.06, 0.04
HSL	36°, 43%, 93%
HSV	36°, 6%, 96%
XYZ	82.8056, 86.8587, 87.2640
YIQ	239.7680, 6.4650, -1.5270

Conversions

Conversions Part 2

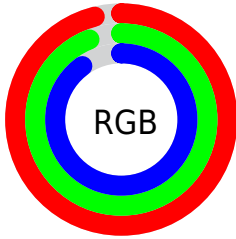
Format	Color
R_{YB}	240, 245, 230
Decimal	16117734
CIE _{Lab}	94.68, 0.48, 5.05
CIE _{LCh}	95, 5.072, 84.579
Yxy	86.8587, 0.3223, 0.3381
Android (android.graphics.Color)	4294307814 (0xFF5EFE6)
YUV	239.7680, -4.8156, 4.5885
Hunter-Lab	93.1980, -4.5009, 9.7237

Details

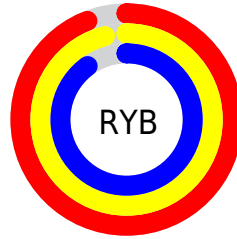
The XYZ color **82.8056, 86.8587, 87.2640** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.1098, 83.4050, 98.3163**, and the grayscale version is **82.6780, 86.9837, 94.7253**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6576, 47.7809, 47.3737** is the 20% darker color. If you saturate the color by 10%, you get **76.8151, 80.0016, 69.4689**, and if you desaturate by 10%, it is **89.4399, 94.2275, 107.6616**.

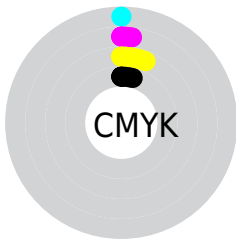
Distribution



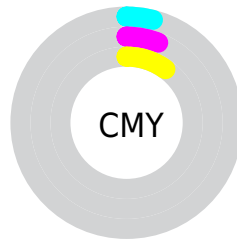
- Red (96%)
- Green (94%)
- Blue (90%)



- Red (94%)
- Yellow (96%)
- Blue (90%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8056, 86.8587, 87.2640 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 82.8056, 86.8587, 87.2640 by changing the saturation by 10% instead.

82.8056, 86.8587,
87.2640

82.8056, 86.8587,
87.2640

492.9321,
517.7584, 539.4287

62.3462, 65.3783,
65.1528

136.2331,
142.9672, 145.4342

45.5691, 47.7679,
47.1329

169.9319,
178.3640, 182.3302

32.1091, 33.6431,
32.7856

208.7745,
219.1685, 224.9917

21.6008, 22.6196,
21.6925

253.1262,
265.7649, 273.8371

13.6788, 14.3128,
13.4350

303.3525,
318.5377, 329.2849

7.9778, 8.3386,
7.5945

359.8187,

4.1325, 4.3124,

377.8713, 391.7538

3.7526

422.8901,
444.1501, 461.6622

■ 1.7773, 1.8498,
1.4906

■ 0.5040, 0.5179,
0.2109

■ 82.8056, 86.8587,
87.2640

■ 82.8056, 86.8587,
87.2640

■ 76.8151, 80.0016,
69.4689

■ 89.4399, 94.2275,
107.6616

■ 71.4388, 73.6320,
54.1641

■ 91.4666, 98.1527,
108.7323

■ 66.6549, 67.7401,
41.2376

■ 62.4379, 62.3115,
30.5667

■ 58.7598, 57.3308,
22.0175

■ 55.5900, 52.7814,
15.4417

■ 52.8941, 48.6452,
10.6718

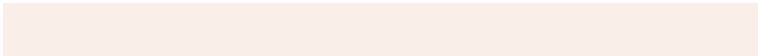
■ 50.6320, 44.9016,
7.5117

■ 48.7550, 41.5263,
5.7185

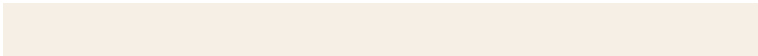
Harmonies

Analogous

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



84.0921, 86.8587, 88.5613



82.8056, 86.8587, 87.2640



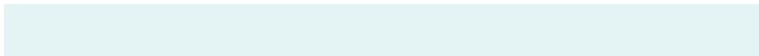
81.4662, 86.8587, 87.8811

Triad

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



82.8056, 86.8587, 87.2640



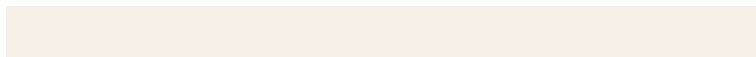
80.1852, 86.8587, 97.7458



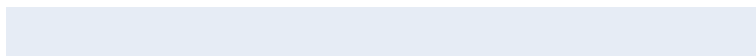
84.7210, 86.8587, 99.0126

Complementary

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



82.8056, 86.8587, 87.2640



79.1098, 83.4050, 98.3163

Split Complementary

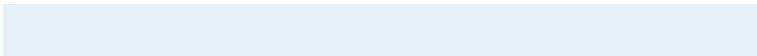
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6567, 86.8587, 101.5991



82.8056, 86.8587, 87.2640



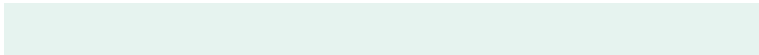
81.0399, 86.8587, 100.8537

Square

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



82.8056, 86.8587, 87.2640



79.9629, 86.8587, 93.8637



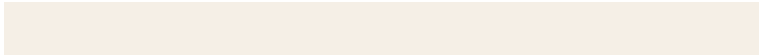
82.3081, 86.8587, 102.2820



85.2057, 86.8587, 95.2886

Rectangle

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



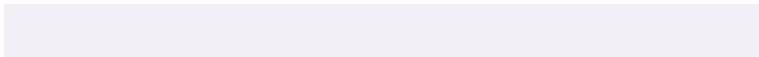
82.8056, 86.8587, 87.2640



80.7222, 86.8587, 89.3041



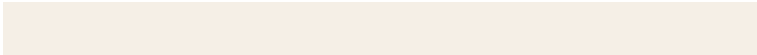
82.3081, 86.8587, 102.2820



84.4186, 86.8587, 100.0480

Sweetspot

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



82.8080, 86.8625, 87.2659



93.5928, 98.3822, 104.4171



81.0944, 82.0635, 90.9237



20.0480, 21.0749, 22.3965



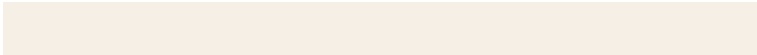
0.0000, 0.0000, 0.0000



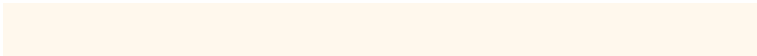
20.3446, 21.4041, 23.3091

Same Dimension

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



82.8080, 86.8625, 87.2659



90.0741, 94.4354, 93.7161



84.0713, 90.1627, 87.8363



17.5773, 18.4220, 18.1367



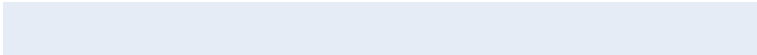
26.0526, 21.9907, 2.8715



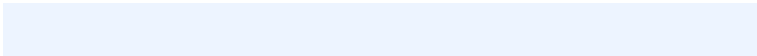
2.3901, 2.1335, 0.2858

Inverse Universe

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



79.1098, 83.4050, 98.3163



85.4615, 90.1230, 107.4989



77.8961, 80.2598, 97.7732



16.6031, 17.5113, 21.0475



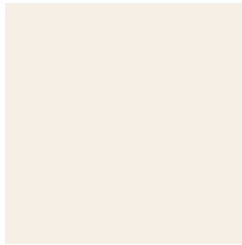
11.3546, 8.5030, 47.5808



1.0956, 0.9426, 4.2144

Previews

White Background



This preview shows how the XYZ color 82.8056, 86.8587, 87.2640 looks on a white background.

Color Contrast Check

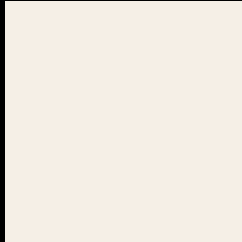
Large Text (above 18pt) WCAG AA × Fail

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 82.8056, 86.8587, 87.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

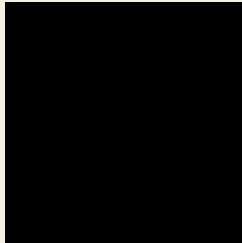
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

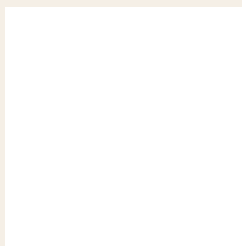
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.8056, 86.8587, 87.2640

Background



This preview shows how black text looks on a background with the XYZ color 82.8056, 86.8587, 87.2640.



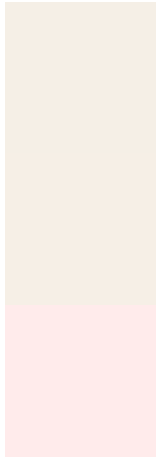
This preview shows how white text looks on a background with the XYZ color 82.8056, 86.8587,

87.2640.

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

82.8056, 86.8587, 87.2640

Protanopia

83.1555, 87.0390, 87.2804

Deuteranopia

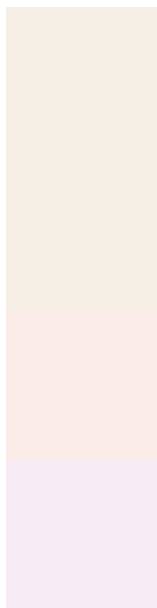
85.9437, 86.6748, 90.7975



Tritanopia

86.3091, 86.5289, 105.9187

Trichromacy



Original Color

82.8056, 86.8587, 87.2640

Protanomaly

83.1555, 87.0390, 87.2804

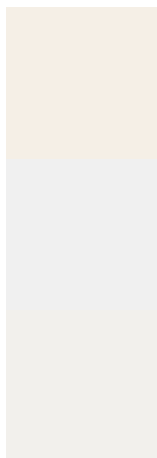
Deuteranomaly

84.4871, 86.3833, 89.3115

Tritanomaly

84.8347, 86.3576, 98.5836

Monochromacy



Original Color

82.8056, 86.8587, 87.2640

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.9184, 87.2536, 91.8282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8056, 86.8587, 87.2640 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(245, 239, 230) looks like.

```
.text, #text, p{  
    color:rgb(245, 239, 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(245, 239, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 239, 230) }
```

Border

The CSS property to change the border of an element to XYZ 82.8056, 86.8587, 87.2640 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(245, 239, 230) }
```


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

```
.border{ border-color:rgb(245, 239, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 239, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 239, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 239, 230);  
box-shadow:4px 4px 4px 4px rgb(245, 239,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8056, 86.8587, 87.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 239, 230) }
```

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

```
.background{ background-color: rgb(245,  
239, 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](#).

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