

Converting Colors

XYZ(81.1622, 88.3947, 87.7154)

Have a look what the booklet for
XYZ(81.1622, 88.3947, 87.7154)
contains.

XYZ(80.8946, 88.0767, 87.5998)	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(80.8946, 88.0767,
87.5998)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF4E6
RGB	235, 244, 230
RGB Percent	92%, 96%, 90%
CMY	0.0784, 0.0431, 0.0980
CMYK	0.04, 0.00, 0.06, 0.04
HSL	99°, 39%, 93%
HSV	99°, 6%, 96%
XYZ	80.8946, 88.0767, 87.5998
YIQ	239.7130, -0.8700, -6.2620

Conversions

Conversions Part 2

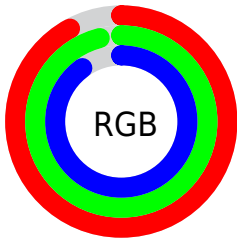
Format	Color
R _Y B	230, 244, 239
Decimal	15463654
CIE Lab	95.19, -5.44, 5.70
CIE LCh	95, 7.880, 133.682
Yxy	88.0767, 0.3153, 0.3433
Android (android.graphics.Color)	4293653734 (0xFFEBF4E6)
YUV	239.7130, -4.7885, -4.1333
Hunter-Lab	93.8492, -10.3755, 10.3525

Details

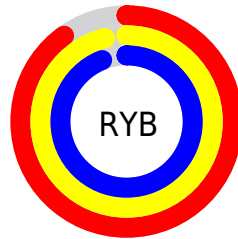
The XYZ color **80.8946, 88.0767, 87.5998** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.2259, 81.4783, 97.0910**, and the grayscale version is **82.6389, 86.9426, 94.6805**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3115, 48.6453, 47.6115** is the 20% darker color. If you saturate the color by 10%, you get **72.7522, 84.2503, 70.5663**, and if you desaturate by 10%, it is **89.9785, 92.3381, 107.1848**.

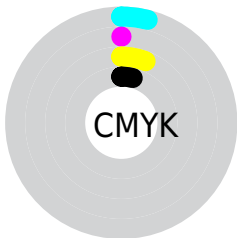
Distribution



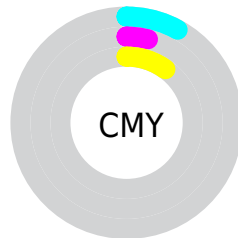
- Red (92%)
- Green (96%)
- Blue (90%)



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



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



- Cyan (8%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8946, 88.0767, 87.5998 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 80.8946, 88.0767, 87.5998 by changing the saturation by 10% instead.

80.8946, 88.0767,
87.5998

80.8946, 88.0767,
87.5998

486.6333,
521.7544, 540.5591

60.7658, 66.3866,
65.4292

133.5667,
144.6639, 145.9061

44.2880, 48.5863,
47.3557

166.8407,
180.3299, 182.8789

31.0959, 34.2914,
32.9605

205.2271,
221.4232, 225.6229

20.8240, 23.1176,
21.8254

249.0914,
268.3283, 274.5566

13.1072, 14.6803,
13.5315

298.7987,
321.4295, 330.0985

7.5799, 8.5953,
7.6606

354.7146,

3.8769, 4.4782,

381.1114, 392.6672

3.7939

417.2044,
447.7582, 462.6812

■ 1.6327, 1.9445,
1.5130

■ 0.4136, 0.5749,
0.2276

■ 80.8946, 88.0767,
87.5998

■ 80.8946, 88.0767,
87.5998

■ 72.7522, 84.2503,
70.5663

■ 89.9785, 92.3381,
107.1848

■ 65.5124, 80.8335,
55.9736

■ 91.6424, 93.1848,
107.7641

■ 59.1442, 77.8154,
43.7115

■ 53.6121, 75.1803,
33.6590

■ 48.8776, 72.9112,
25.6842

■ 44.8992, 70.9898,
19.6412

■ 41.6307, 69.3961,
15.3653

■ 39.0201, 68.1074,
12.6638

■ 37.0052, 67.0968,
11.2992

Harmonies

Analogous

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



82.7414, 88.0767, 84.8629



80.8946, 88.0767, 87.5998



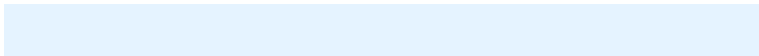
79.8135, 88.0767, 92.6160

Triad

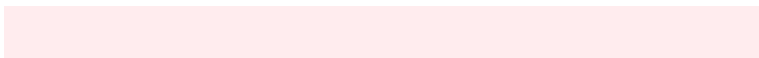
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8946, 88.0767, 87.5998



82.5594, 88.0767, 107.7038



87.7909, 88.0767, 93.1305

Complementary

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



80.8946, 88.0767, 87.5998



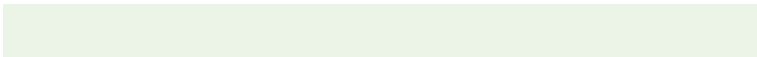
80.2259, 81.4783, 97.0910

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.



87.7401, 88.0767, 99.2619



80.8946, 88.0767, 87.5998



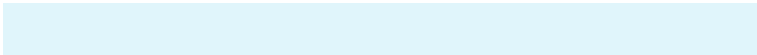
84.6948, 88.0767, 107.8561

Square

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



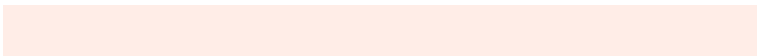
80.8946, 88.0767, 87.5998



80.7634, 88.0767, 104.3023



86.5987, 88.0767, 104.7098



86.7362, 88.0767, 87.9625

Rectangle

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



80.8946, 88.0767, 87.5998



79.6607, 88.0767, 96.6620



86.5987, 88.0767, 104.7098



87.9030, 88.0767, 95.1432

Sweetspot

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



80.8970, 88.0805, 87.6017



93.0435, 99.0592, 104.5767



82.4221, 86.6048, 87.2365



19.9362, 21.2126, 22.4290



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

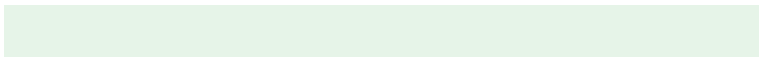
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8970, 88.0805, 87.6017



88.2109, 96.7911, 94.2690



79.5330, 87.3468, 88.9142



17.1837, 18.9211, 18.2538



19.8685, 36.3554, 5.9701



1.8540, 3.2508, 0.5298

Inverse Universe

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



80.2259, 81.4783, 97.0910



87.3117, 87.9465, 106.9813



81.6553, 82.2479, 95.6852



16.9938, 17.0532, 20.9385



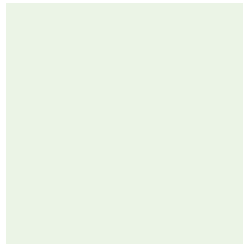
16.5815, 7.5224, 47.1160



1.5690, 0.7187, 4.1463

Previews

White Background



This preview shows how the XYZ color 80.8946, 88.0767, 87.5998 looks on a white background.

Color Contrast Check

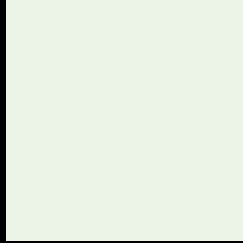
Large Text (above 18pt) WCAG AA × Fail

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 80.8946, 88.0767, 87.5998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

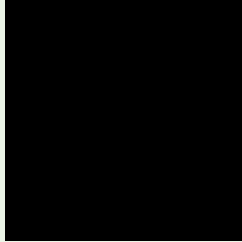
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

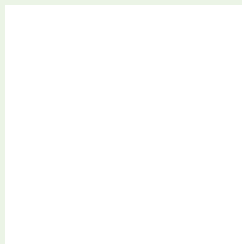
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8946, 88.0767, 87.5998

Background



This preview shows how black text looks on a background with the XYZ color 80.8946, 88.0767, 87.5998.



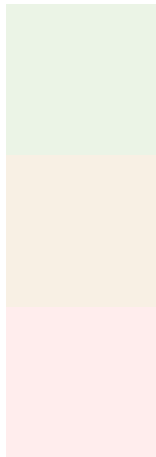
This preview shows how white text looks on a background with the XYZ color 80.8946, 88.0767,

87.5998.

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

80.8946, 88.0767, 87.5998

Protanopia

83.8751, 87.8781, 85.9403

Deuteranopia

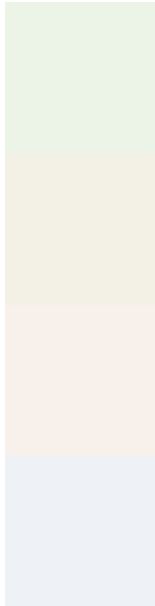
86.8102, 87.9428, 92.5200



Tritanopia

85.1453, 88.0654, 107.1184

Trichromacy



Original Color

80.8946, 88.0767, 87.5998

Protanomaly

82.5603, 87.6224, 86.6902

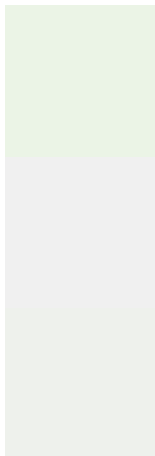
Deuteranomaly

84.7228, 88.2171, 90.4041

Tritanomaly

83.3497, 87.7416, 99.7316

Monochromacy



Original Color

80.8946, 88.0767, 87.5998

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.8555, 87.1439, 91.8631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8946, 88.0767, 87.5998 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(235, 244, 230) looks like.

```
.text, #text, p{  
    color:rgb(235, 244, 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(235, 244, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 244, 230) }
```

Border

The CSS property to change the border of an element to XYZ 80.8946, 88.0767, 87.5998 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(235, 244, 230) }
```


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

```
.border{ border-color:rgb(235, 244, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 244, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 244, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 244, 230);  
box-shadow:4px 4px 4px 4px rgb(235, 244,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8946, 88.0767, 87.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 244, 230) }
```

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

```
.background{ background-color: rgb(235,  
244, 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