

Converting Colors

XYZ(80.8200, 87.1659, 86.6938)

Have a look what the booklet for XYZ(80.8200, 87.1659, 86.6938) contains.

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Color

**XYZ(80.8200, 87.1659,
86.6938)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF2E5
RGB	237, 242, 229
RGB Percent	93%, 95%, 90%
CMY	0.0706, 0.0510, 0.1020
CMYK	0.02, 0.00, 0.05, 0.05
HSL	83°, 33%, 92%
HSV	83°, 5%, 95%
XYZ	80.8200, 87.1659, 86.6938
YIQ	239.0230, 1.1930, -5.1030

Conversions

Conversions Part 2

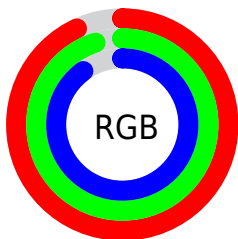
Format	Color
RYB	229, 242, 234
Decimal	15594213
CIELab	94.81, -3.93, 5.68
CIELCh	95, 6.907, 124.686
Yxy	87.1659, 0.3173, 0.3423
Android (android.graphics.Color)	4293784293 (0xFFEDF2E5)
YUV	239.0230, -4.9413, -1.7742
Hunter-Lab	93.3627, -8.8650, 10.2990

Details

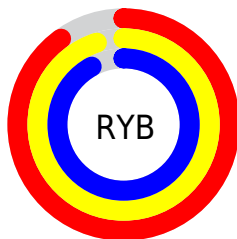
The XYZ color **80.8200, 87.1659, 86.6938** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.9814, 79.9443, 95.3296**, and the grayscale version is **82.1007, 86.3763, 94.0638**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2549, 47.9976, 46.9764** is the 20% darker color. If you saturate the color by 10%, you get **74.6453, 84.3488, 69.9786**, and if you desaturate by 10%, it is **87.6323, 90.2622, 105.9013**.

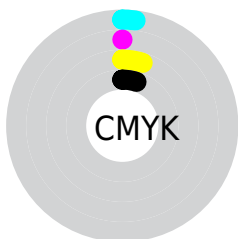
Distribution



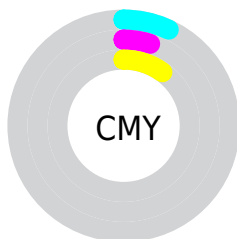
- Red (93%)
- Green (95%)
- Blue (90%)



- Red (90%)
- Yellow (95%)
- Blue (92%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8200, 87.1659, 86.6938 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 80.8200, 87.1659, 86.6938 by changing the saturation by 10% instead.

80.8200, 87.1659,
86.6938

80.8200, 87.1659,
86.6938

486.3866,
518.7679, 537.5062

60.7041, 65.6325,
64.6837

133.4625,
143.3954, 144.6324

44.2381, 47.9741,
46.7549

166.7198,
178.8602, 181.3979

31.0564, 33.8064,
32.4890

205.0883,
219.7377, 223.9189

20.7939, 22.7449,
21.4674

248.9334,
266.4121, 272.6141

13.0850, 14.4053,
13.2715

298.6205,
319.2680, 327.9018

7.5645, 8.4031,
7.4828

354.5147,

3.8670, 4.3539,

378.6896, 390.2008

3.6829

416.9817,
445.0614, 459.9294

■ 1.6272, 1.8735,
1.4530

■ 0.4100, 0.5323,
0.1826

■ 80.8200, 87.1659,
86.6938

■ 80.8200, 87.1659,
86.6938

■ 74.6453, 84.3488,
69.9786

■ 87.6323, 90.2622,
105.9013

■ 69.0789, 81.7907,
55.6479

■ 91.0438, 91.9877,
107.5646

■ 64.1003, 79.4858,
43.5943

■ 59.6844, 77.4237,
33.7000

■ 55.8043, 75.5935,
25.8369

■ 52.4305, 73.9830,
19.8629

■ 49.5298, 72.5785,
15.6180

■ 47.0639, 71.3646,
12.9154

■ 44.9863, 70.3222,
11.5251

Harmonies

Analogous

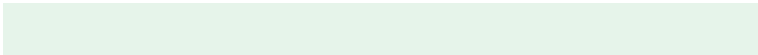
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5553, 87.1659, 85.0150



80.8200, 87.1659, 86.6938



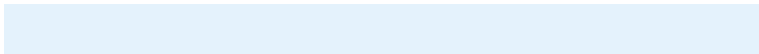
79.6418, 87.1659, 90.5752

Triad

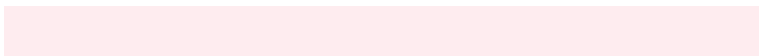
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8200, 87.1659, 86.6938



81.3212, 87.1659, 104.5213



86.4826, 87.1659, 94.0704

Complementary

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



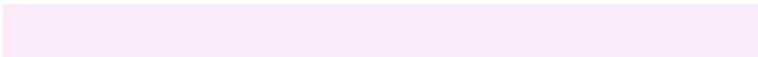
80.8200, 87.1659, 86.6938



77.9814, 79.9443, 95.3296

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.



86.1403, 87.1659, 99.3785



80.8200, 87.1659, 86.6938



83.1425, 87.1659, 105.5420

Square

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



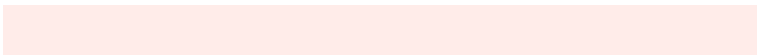
80.8200, 87.1659, 86.6938



79.9281, 87.1659, 100.8879



84.9108, 87.1659, 103.6271



85.8393, 87.1659, 89.1708

Rectangle

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



80.8200, 87.1659, 86.6938



79.3211, 87.1659, 93.9587



84.9108, 87.1659, 103.6271



86.4791, 87.1659, 95.8654

Sweetspot

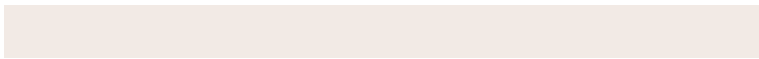
The Sweet Spot groups the original color and five complimentary colors.



80.8224, 87.1697, 86.6957



93.5212, 99.3055, 104.5991



80.1820, 83.3735, 85.9967



20.0335, 21.2628, 22.4335



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.



80.8224, 87.1697, 86.6957



90.5505, 97.9538, 96.3391



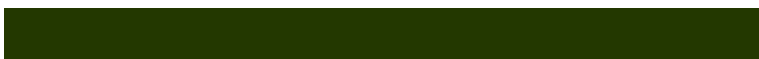
78.6969, 86.0739, 86.5962



16.8785, 18.3105, 17.8169



23.8602, 37.6219, 6.0042



2.0957, 3.1869, 0.5047

Inverse Universe

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



77.9814, 79.9443, 95.3296



86.9836, 88.8821, 107.1792



80.1490, 81.0617, 95.4311



16.1453, 16.4459, 20.0450



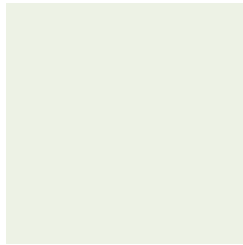
11.1833, 4.7706, 45.4593



1.0382, 0.4525, 3.7868

Previews

White Background



This preview shows how the XYZ color 80.8200, 87.1659, 86.6938 looks on a white background.

Color Contrast Check

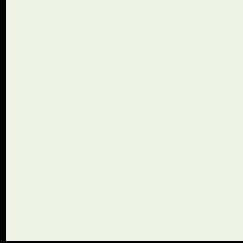
Large Text (above 18pt) WCAG AA × Fail

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 80.8200, 87.1659, 86.6938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

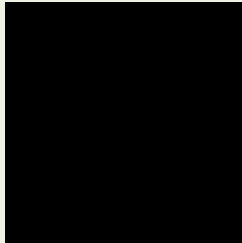
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

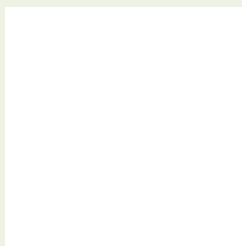
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8200, 87.1659, 86.6938

Background



This preview shows how black text looks on a background with the XYZ color 80.8200, 87.1659, 86.6938.



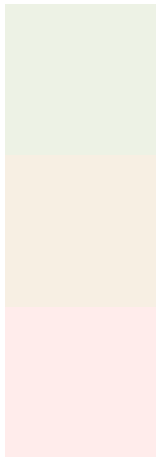
This preview shows how white text looks on a background with the XYZ color 80.8200, 87.1659,

86.6938.

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

80.8200, 87.1659, 86.6938

Protanopia

83.0894, 87.0532, 85.0967

Deuteranopia

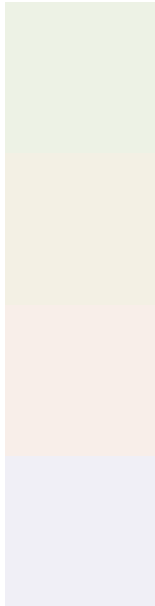
86.2308, 87.2491, 90.8932



Tritanopia

84.9002, 87.0698, 106.9392

Trichromacy



Original Color

80.8200, 87.1659, 86.6938

Protanomaly

82.1258, 86.9763, 85.8584

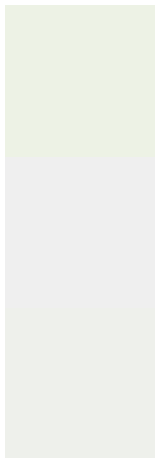
Deuteranomaly

83.9939, 86.9887, 89.4543

Tritanomaly

83.4362, 86.9121, 99.5669

Monochromacy



Original Color

80.8200, 87.1659, 86.6938

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.4154, 86.4955, 91.0015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8200, 87.1659, 86.6938 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(237, 242, 229) looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 229)  
}
```

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(237, 242, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 242, 229) }
```

Border

The CSS property to change the border of an element to XYZ 80.8200, 87.1659, 86.6938 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(237, 242, 229) }
```


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

```
.border{ border-color:rgb(237, 242, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 242, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 242, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 242, 229); box-shadow:4px 4px 4px 4px rgb(237, 242, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8200, 87.1659, 86.6938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 242, 229) }
```

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

```
.background{ background-color: rgb(237,  
242, 229) }
```

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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