

Converting Colors

XYZ(81.0199, 86.8934, 83.8751)

Have a look what the booklet for
XYZ(81.0199, 86.8934, 83.8751)
contains.

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Color

**XYZ(80.9811, 86.8721,
83.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F1E1
RGB	240, 241, 225
RGB Percent	94%, 95%, 88%
CMY	0.0588, 0.0549, 0.1176
CMYK	0.00, 0.00, 0.07, 0.05
HSL	64°, 36%, 91%
HSV	64°, 7%, 95%
XYZ	80.9811, 86.8721, 83.7340
YIQ	238.8770, 4.5400, -5.1880

Conversions

Conversions Part 2

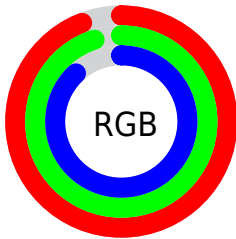
Format	Color
R _Y B	225, 241, 226
Decimal	15790561
CIE Lab	94.68, -3.08, 7.60
CIE LCh	95, 8.199, 112.057
Yxy	86.8721, 0.3219, 0.3453
Android (android.graphics.Color)	4293980641 (0xFFFF0F1E1)
YUV	238.8770, -6.8414, 0.9849
Hunter-Lab	93.2052, -8.0198, 11.9785

Details

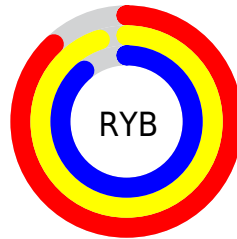
The XYZ color **80.9811, 86.8721, 83.7340** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.1698, 76.3724, 94.0558**, and the grayscale version is **81.9995, 86.2699, 93.9479**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3718, 47.7906, 44.9161** is the 20% darker color. If you saturate the color by 10%, you get **77.4122, 85.3883, 67.5990**, and if you desaturate by 10%, it is **85.0232, 88.5513, 102.3172**.

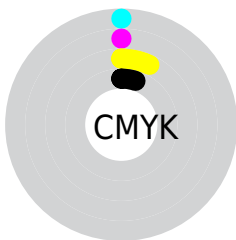
Distribution



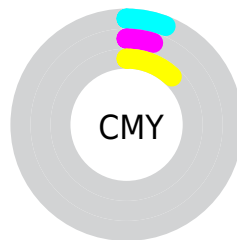
- Red (94%)
- Green (95%)
- Blue (88%)



- Red (88%)
- Yellow (95%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9811, 86.8721, 83.7340 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 80.9811, 86.8721, 83.7340 by changing the saturation by 10% instead.

80.9811, 86.8721,
83.7340

80.9811, 86.8721,
83.7340

486.9194,
517.8025, 527.4644

60.8373, 65.3894,
62.2517

133.6875,
142.9859, 140.4614

44.3459, 47.7769,
44.7990

166.9808,
178.3857, 176.5437

31.1416, 33.6502,
30.9574

205.3880,
219.1933, 218.3296

20.8591, 22.6250,
20.3082

249.2744,
265.7931, 266.2379

13.1329, 14.3169,
12.4330

299.0054,
318.5696, 320.6870

7.5977, 8.3414,
6.9132

354.9463,

3.8883, 4.3142,

377.9070, 382.0954

3.3302

417.4625,
444.1899, 450.8817

■ 1.6391, 1.8508,
1.2656

■ 0.4177, 0.5185,
0.0334

■ 80.9811, 86.8721,
83.7340

■ 80.9811, 86.8721,
83.7340

■ 77.4122, 85.3883,
67.5990

■ 85.0232, 88.5513,
102.3172

■ 74.2900, 84.0808,
53.8046

■ 86.4784, 89.1935,
107.2659

■ 71.5961, 82.9452,
42.2438

■ 87.0027, 89.4638,
107.2904

■ 69.3083, 81.9724,
32.7989

■ 87.5313, 89.7363,
107.3152

67.4021, 81.1528,
25.3416

88.0643, 90.0110,
107.3401

65.8506, 80.4756,
19.7295

88.6016, 90.2880,
107.3653

64.6230, 79.9284,
15.8014

89.1432, 90.5672,
107.3906

63.6835, 79.4970,
13.3686

89.6892, 90.8487,
107.4162

62.9869, 79.1632,
12.1928

90.2395, 91.1324,
107.4419

Harmonies

Analogous

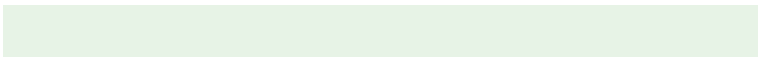
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1590, 86.8721, 83.0213



80.9811, 86.8721, 83.7340



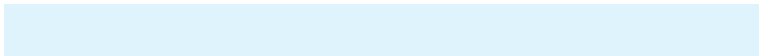
79.2576, 86.8721, 87.2891

Triad

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



80.9811, 86.8721, 83.7340



79.9795, 86.8721, 104.5325



86.8574, 86.8721, 96.2837

Complementary

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



80.9811, 86.8721, 83.7340



74.1698, 76.3724, 94.0558

Split Complementary

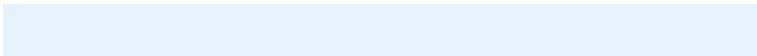
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9720, 86.8721, 102.2848



80.9811, 86.8721, 83.7340



81.9825, 86.8721, 107.1841

Square

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



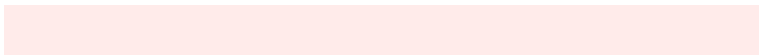
80.9811, 86.8721, 83.7340



78.6866, 86.8721, 99.2412



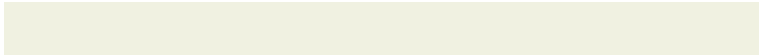
84.1782, 86.8721, 106.3437



86.5777, 86.8721, 90.0844

Rectangle

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



80.9811, 86.8721, 83.7340



78.5854, 86.8721, 90.8826



84.1782, 86.8721, 106.3437



86.6856, 86.8721, 98.3947

Sweetspot

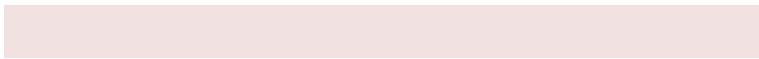
The Sweet Spot groups the original color and five complimentary colors.



80.9835, 86.8759, 83.7359



94.1220, 99.6152, 104.6272



77.0110, 78.4232, 82.3137



20.1557, 21.3258, 22.4393



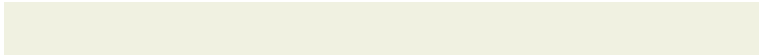
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

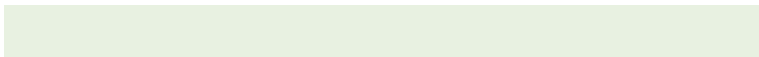
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9835, 86.8759, 83.7359



91.4681, 98.5130, 92.4886



78.3927, 85.5403, 83.6146



17.0192, 18.4056, 16.8053



34.0875, 42.8943, 6.4828



2.8652, 3.5836, 0.5407

Inverse Universe

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



74.1698, 76.3724, 94.0558



82.1963, 84.2203, 106.5317



76.6711, 77.6619, 94.1729



14.9891, 15.2761, 19.8802



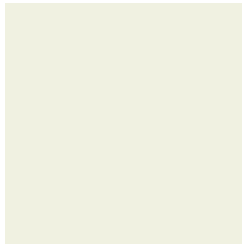
8.7549, 3.5187, 45.3456



0.7603, 0.3092, 3.7738

Previews

White Background



This preview shows how the XYZ color 80.9811, 86.8721, 83.7340 looks on a white background.

Color Contrast Check

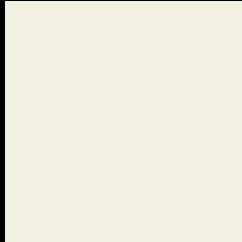
Large Text (above 18pt) WCAG AA × Fail

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 80.9811, 86.8721, 83.7340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

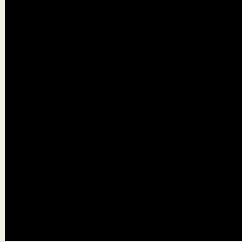
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

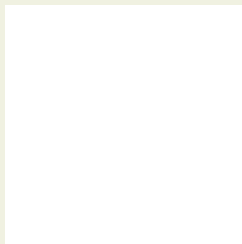
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9811, 86.8721, 83.7340

Background



This preview shows how black text looks on a background with the XYZ color 80.9811, 86.8721, 83.7340.



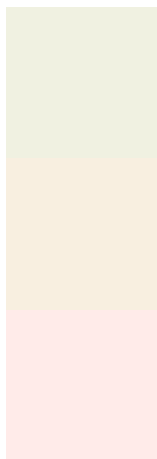
This preview shows how white text looks on a background with the XYZ color 80.9811, 86.8721,

83.7340.

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

80.9811, 86.8721, 83.7340

Protanopia

83.0324, 87.0713, 82.9512

Deuteranopia

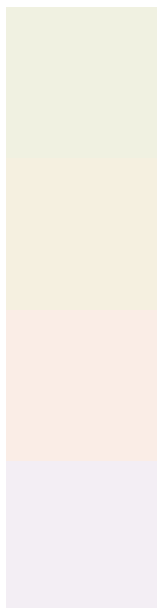
85.6563, 86.5599, 89.2839



Tritanopia

85.6424, 87.0215, 106.8907

Trichromacy



Original Color

80.9811, 86.8721, 83.7340

Protanomaly

82.2708, 87.1145, 82.9996

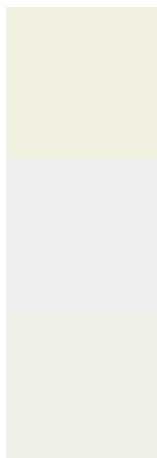
Deuteranomaly

83.9915, 86.6055, 87.1526

Tritanomaly

83.8658, 86.7354, 97.9094

Monochromacy



Original Color

80.9811, 86.8721, 83.7340

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.6080, 86.6114, 90.2584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9811, 86.8721, 83.7340 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(240, 241, 225) looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 225)  
}
```

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(240, 241, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 225) }
```

Border

The CSS property to change the border of an element to XYZ 80.9811, 86.8721, 83.7340 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(240, 241, 225) }
```


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

```
.border{ border-color:rgb(240, 241, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 241, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 225);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9811, 86.8721, 83.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 225) }
```

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

```
.background{ background-color: rgb(240,  
241, 225) }
```

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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