

Converting Colors

XYZ(80.6403, 86.4656, 80.7027)

Have a look what the booklet for
XYZ(80.6403, 86.4656, 80.7027)
contains.

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Color

**XYZ(80.4869, 86.2414,
80.8108)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F0DD
RGB	241, 240, 221
RGB Percent	95%, 94%, 87%
CMY	0.0549, 0.0588, 0.1333
CMYK	0.00, 0.00, 0.08, 0.05
HSL	57°, 42%, 91%
HSV	57°, 8%, 95%
XYZ	80.4869, 86.2414, 80.8108
YIQ	238.1330, 6.6950, -5.6970

Conversions

Conversions Part 2

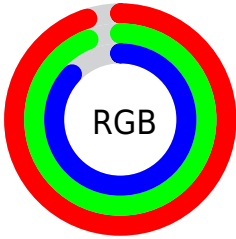
Format	Color
RYB	222, 241, 221
Decimal	15855837
CIELab	94.42, -2.89, 9.29
CIElCh	94, 9.731, 107.261
Yxy	86.2414, 0.3251, 0.3484
Android (android.graphics.Color)	4294045917 (0xFFFF1F0DD)
YUV	238.1330, -8.4466, 2.5144
Hunter-Lab	92.8662, -7.8105, 13.4131

Details

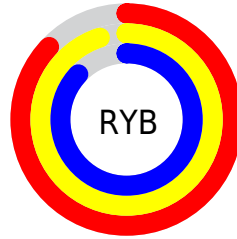
The XYZ color **80.4869, 86.2414, 80.8108** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.8173, 73.9645, 93.7115**, and the grayscale version is **81.4328, 85.6736, 93.2986**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0310, 47.3484, 42.8949** is the 20% darker color. If you saturate the color by 10%, you get **77.1527, 84.3473, 64.9786**, and if you desaturate by 10%, it is **84.2892, 88.3321, 99.0751**.

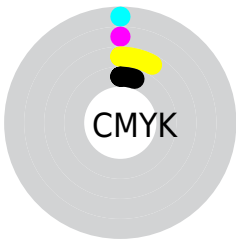
Distribution



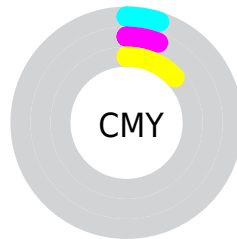
- Red (95%)
- Green (94%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)





- Cyan (5%)
- Magenta (6%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4869, 86.2414, 80.8108 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 80.4869, 86.2414, 80.8108 by changing the saturation by 10% instead.


 80.4869, 86.2414,
80.8108

 80.4869, 86.2414,
80.8108


485.2838,
515.7269, 517.4397

 60.4289, 64.8676,
59.8557


132.9970,
142.1063, 136.3268

 44.0153, 47.3537,
42.8778


166.1799,
177.3662, 171.7247

 30.8805, 33.3154,
29.4586


204.4684,
218.0236, 212.7740

 20.6592, 22.3682,
19.1794

248.2280,
264.4629, 259.8932

 12.9862, 14.1277,
11.6219

297.8240,
317.0685, 313.5008

 7.4960, 8.2095,
6.3674

353.6217,

 3.8232, 4.2293,

376.2247, 374.0154

2.9973

415.9865,
442.3161, 441.8556

■ 1.6026, 1.8026,
1.0933

■ 0.3941, 0.4888,
0.0000

■ 80.4869, 86.2414,
80.8108

■ 80.4869, 86.2414,
80.8108

■ 77.1527, 84.3473,
64.9786

■ 84.2892, 88.3321,
99.0751

■ 74.2598, 82.6307,
51.4700

■ 86.1989, 89.6666,
107.3720

■ 71.7899, 81.0870,
40.1766

■ 86.5579, 90.3846,
107.4916

■ 69.7201, 79.7071,
30.9791

■ 86.9192, 91.1073,
107.6121

68.0258, 78.4810,
23.7472

87.2829, 91.8348,
107.7333

66.6793, 77.3978,
18.3357

87.6490, 92.5669,
107.8553

65.6493, 76.4449,
14.5797

88.0174, 93.3038,
107.9782

64.8989, 75.6075,
12.2844

88.3882, 94.0453,
108.1018

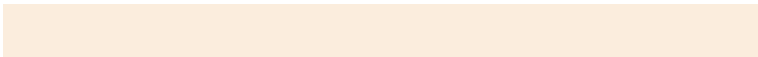
64.3759, 74.8647,
11.1751

88.7614, 94.7917,
108.2261

Harmonies

Analogous

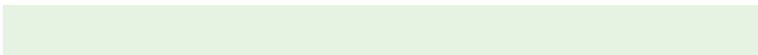
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0836, 86.2414, 80.5450



80.4869, 86.2414, 80.8108



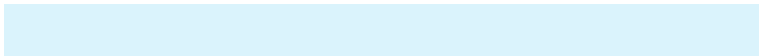
78.3321, 86.2414, 84.4644

Triad

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



80.4869, 86.2414, 80.8108



78.6046, 86.2414, 104.8807



86.9728, 86.2414, 97.1136

Complementary

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



80.4869, 86.2414, 80.8108



71.8173, 73.9645, 93.7115

Split Complementary

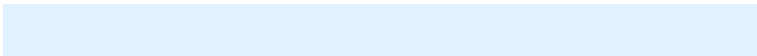
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7186, 86.2414, 104.0181



80.4869, 86.2414, 80.8108



80.8661, 86.2414, 108.6601

Square

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



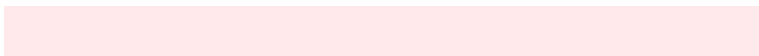
80.4869, 86.2414, 80.8108



77.2613, 86.2414, 98.2403



83.4709, 86.2414, 108.3363



86.8660, 86.2414, 89.6937

Rectangle

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



80.4869, 86.2414, 80.8108



77.4194, 86.2414, 88.4453



83.4709, 86.2414, 108.3363



86.6952, 86.2414, 99.5791

Sweetspot

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



80.4893, 86.2452, 80.8127



94.1587, 99.5140, 104.6057



75.3181, 75.6889, 79.7483



20.1632, 21.3052, 22.4349



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.



80.4893, 86.2452, 80.8127



90.8092, 97.6580, 88.5590



77.7863, 85.2880, 80.7704



17.0516, 18.3163, 16.7864



34.8968, 40.5917, 5.9957



2.9237, 3.4180, 0.5056

Inverse Universe

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



71.8173, 73.9645, 93.7115



79.0343, 80.9831, 106.0735



74.3680, 74.8881, 93.7553



14.9604, 15.3549, 19.8969



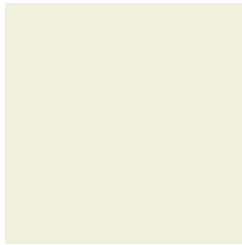
8.7090, 3.6423, 45.3719



0.7466, 0.3471, 3.7819

Previews

White Background



This preview shows how the XYZ color 80.4869, 86.2414, 80.8108 looks on a white background.

Color Contrast Check

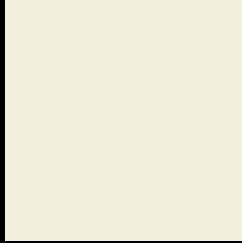
Large Text (above 18pt) WCAG AA × Fail

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 80.4869, 86.2414, 80.8108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

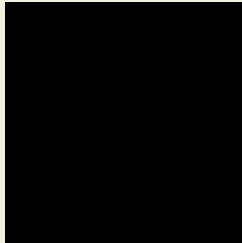
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

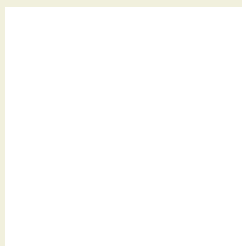
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4869, 86.2414, 80.8108

Background



This preview shows how black text looks on a background with the XYZ color 80.4869, 86.2414, 80.8108.



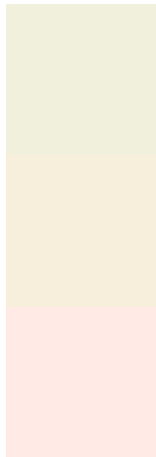
This preview shows how white text looks on a background with the XYZ color 80.4869, 86.2414,

80.8108.

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

80.4869, 86.2414, 80.8108

Protanopia

82.2042, 86.2728, 80.0298

Deuteranopia

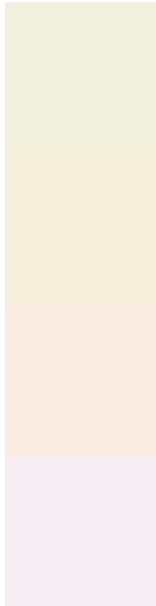
84.9457, 85.8188, 86.9505



Tritanopia

85.6038, 86.1652, 105.8857

Trichromacy



Original Color

80.4869, 86.2414, 80.8108

Protanomaly

81.4410, 86.3128, 80.0778

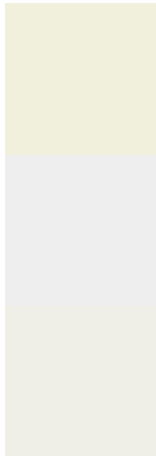
Deuteranomaly

83.2849, 85.8610, 84.8563

Tritanomaly

83.6194, 86.2123, 96.2378

Monochromacy



Original Color

80.4869, 86.2414, 80.8108

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.0286, 85.9099, 88.6555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4869, 86.2414, 80.8108 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(241, 240, 221) looks like.

```
.text, #text, p{  
    color:rgb(241, 240, 221)  
}
```

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(241, 240, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 240, 221) }
```

Border

The CSS property to change the border of an element to XYZ 80.4869, 86.2414, 80.8108 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(241, 240, 221) }
```


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

```
.border{ border-color:rgb(241, 240, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 240, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 240, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 240, 221);  
box-shadow:4px 4px 4px 4px rgb(241, 240,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4869, 86.2414, 80.8108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 240, 221) }
```

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

```
.background{ background-color: rgb(241,  
240, 221) }
```

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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