

Converting Colors

XYZ(80.3487, 86.9770, 84.3371)

Have a look what the booklet for
XYZ(80.3487, 86.9770, 84.3371)
contains.

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Color

**XYZ(80.4047, 86.9998,
84.5064)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF2E2
RGB	237, 242, 226
RGB Percent	93%, 95%, 89%
CMY	0.0706, 0.0510, 0.1137
CMYK	0.02, 0.00, 0.07, 0.05
HSL	79°, 38%, 92%
HSV	79°, 7%, 95%
XYZ	80.4047, 86.9998, 84.5064
YIQ	238.6810, 2.1560, -6.0360

Conversions

Conversions Part 2

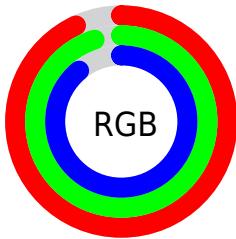
Format	Color
RYB	226, 242, 231
Decimal	15594210
CIELab	94.74, -4.44, 7.13
CIELCh	95, 8.400, 121.909
Yxy	86.9998, 0.3192, 0.3454
Android (android.graphics.Color)	4293784290 (0xFFEDF2E2)
YUV	238.6810, -6.2517, -1.4742
Hunter-Lab	93.2737, -9.3566, 11.5746

Details

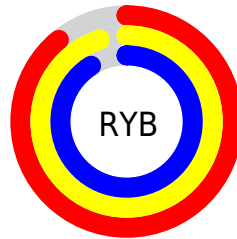
The XYZ color **80.4047, 86.9998, 84.5064** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1817, 77.7948, 95.0096**, and the grayscale version is **81.8441, 86.1063, 93.7698**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9656, 47.8818, 45.4530** is the 20% darker color. If you saturate the color by 10%, you get **74.8428, 84.4921, 68.1178**, and if you desaturate by 10%, it is **86.5469, 89.7576, 103.3724**.

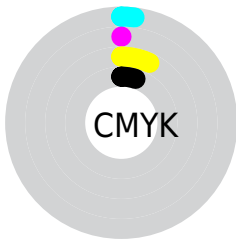
Distribution



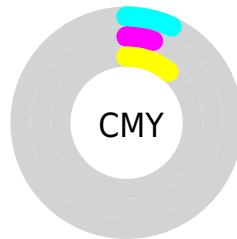
- Red (93%)
- Green (95%)
- Blue (89%)



- Red (89%)
- Yellow (95%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4047, 86.9998, 84.5064 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 80.4047, 86.9998, 84.5064 by changing the saturation by 10% instead.

80.4047, 86.9998,
84.5064

80.4047, 86.9998,
84.5064

485.0114,
518.2222, 530.0953

60.3610, 65.4950,
62.8858

132.8821,
143.1639, 141.5514

43.9603, 47.8626,
45.3084

166.0466,
178.5920, 177.8128

30.8371, 33.7181,
31.3557

204.3154,
219.4299, 219.7917

20.6260, 22.6771,
20.6091

248.0538,
266.0622, 267.9064

12.9618, 14.3553,
12.6501

297.6273,
318.8732, 322.5756

7.4791, 8.3682,
7.0602

353.4011,

3.8125, 4.3314,

378.2473, 384.2178

3.4208

415.7407,
444.5688, 453.2515

■ 1.5966, 1.8606,
1.3133

■ 0.3902, 0.5245,
0.0726

■ 80.4047, 86.9998,
84.5064

■ 80.4047, 86.9998,
84.5064

■ 74.8428, 84.4921,
68.1178

■ 86.5469, 89.7576,
103.3724

■ 69.8331, 82.2146,
54.0980

■ 89.9981, 91.4486,
107.5157

■ 65.3557, 80.1621,
42.3388

■ 91.0439, 91.9877,
107.5646

■ 61.3869, 78.3248,
32.7213

■ 57.9005, 76.6922,
25.1157

■ 54.8678, 75.2527,
19.3784

■ 52.2567, 73.9931,
15.3464

■ 50.0292, 72.8983,
12.8289

■ 48.1384, 71.9491,
11.5858

Harmonies

Analogous

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



82.5454, 86.9998, 82.7741



80.4047, 86.9998, 84.5064



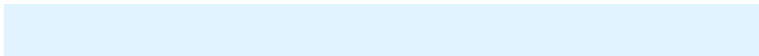
78.8990, 86.9998, 88.9621

Triad

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



80.4047, 86.9998, 84.5064



80.6521, 86.9998, 106.1910



87.1309, 86.9998, 94.3122

Complementary

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



80.4047, 86.9998, 84.5064



76.1817, 77.7948, 95.0096

Split Complementary

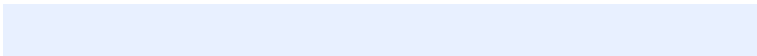
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6019, 86.9998, 100.7378



80.4047, 86.9998, 84.5064



82.8362, 86.9998, 107.7807

Square

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



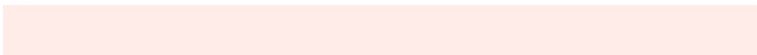
80.4047, 86.9998, 84.5064



79.0400, 86.9998, 101.4911



85.0196, 86.9998, 105.7423



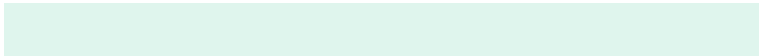
86.4521, 86.9998, 88.2723

Rectangle

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



80.4047, 86.9998, 84.5064



78.4436, 86.9998, 92.9791



85.0196, 86.9998, 105.7423



87.0884, 86.9998, 96.4986

Sweetspot

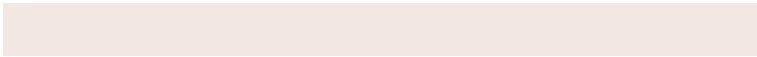
The Sweet Spot groups the original color and five complimentary colors.



80.4071, 87.0036, 84.5083



93.6554, 99.3746, 104.6053



78.8685, 81.4110, 83.5099



20.0608, 21.2768, 22.4348



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.



80.4071, 87.0036, 84.5083



89.6296, 97.5652, 92.4026



77.8594, 85.6902, 84.3891



16.6141, 18.1967, 16.7864



25.6896, 38.5650, 6.0898



2.2391, 3.2608, 0.5114

Inverse Universe

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



76.1817, 77.7948, 95.0096



83.9124, 85.1049, 106.6120



78.7555, 79.1217, 95.1301



15.3623, 15.4685, 19.8976



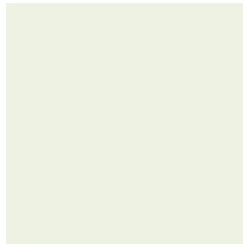
10.3207, 4.3259, 45.4189



0.9572, 0.4107, 3.7830

Previews

White Background



This preview shows how the XYZ color 80.4047, 86.9998, 84.5064 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 80.4047, 86.9998, 84.5064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

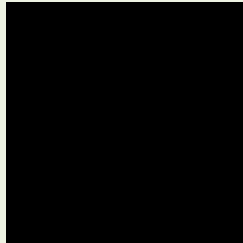
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

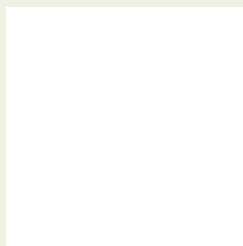
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4047, 86.9998, 84.5064

Background



This preview shows how black text looks on a background with the XYZ color 80.4047, 86.9998, 84.5064.



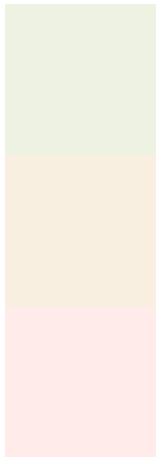
This preview shows how white text looks on a background with the XYZ color 80.4047, 86.9998,

84.5064.

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

80.4047, 86.9998, 84.5064

Protanopia

83.0324, 87.0713, 82.9512

Deuteranopia

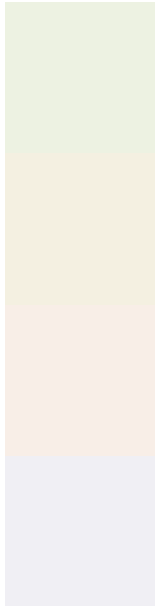
85.7996, 86.6172, 90.0386



Tritanopia

84.9002, 87.0698, 106.9392

Trichromacy



Original Color

80.4047, 86.9998, 84.5064

Protanomaly

82.0589, 86.9895, 83.6998

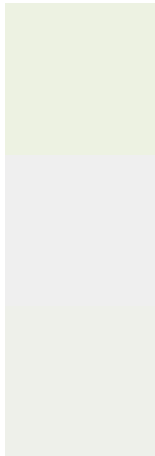
Deuteranomaly

83.7097, 86.8751, 87.9579

Tritanomaly

83.1308, 86.7899, 97.9586

Monochromacy



Original Color

80.4047, 86.9998, 84.5064

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.2713, 86.4378, 90.2426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4047, 86.9998, 84.5064 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, 226) looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 242, 226) }
```

Border

The CSS property to change the border of an element to XYZ 80.4047, 86.9998, 84.5064 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, 226) }
```


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

```
.border{ border-color:rgb(237, 242, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 242, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 242, 226);  
box-shadow:4px 4px 4px 4px rgb(237, 242,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4047, 86.9998, 84.5064 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, 226) }
```

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

```
.background{ background-color: rgb(237,  
242, 226) }
```

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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