

Converting Colors

XYZ(84.9448, 86.3610,
100.9992)

Have a look what the booklet for
XYZ(84.9448, 86.3610, 100.9992)
contains.

XYZ(84.9448, 86.3610, 100.9992)	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(84.9448, 86.3610,
100.9992)**

Conversions

Conversions Part 1

Format	Color
Hex	F6ECF8
RGB	246, 236, 248
RGB Percent	96%, 93%, 97%
CMY	0.0353, 0.0745, 0.0274
CMYK	0.01, 0.05, 0.00, 0.03
HSL	290°, 46%, 95%
HSV	290°, 5%, 97%
XYZ	84.9448, 86.3610, 100.9992
YIQ	240.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

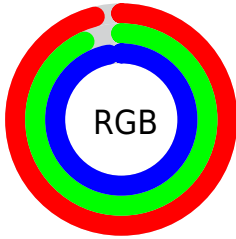
Format	Color
R _Y B	246, 236, 248
Decimal	16182520
CIE Lab	94.47, 5.47, -4.59
CIE LCh	94, 7.142, 319.984
Yxy	86.3610, 0.3119, 0.3171
Android (android.graphics.Color)	4294372600 (0xFF6ECF8)
YUV	240.3580, 3.7675, 4.9480
Hunter-Lab	92.9306, 0.5324, 0.6137

Details

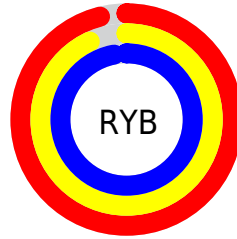
The XYZ color **84.9448, 86.3610, 100.9992** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9707, 91.3703, 92.5717**, and the grayscale version is **83.0772, 87.4037, 95.1827**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0709, 47.3954, 56.5365** is the 20% darker color. If you saturate the color by 10%, you get **76.8614, 72.3219, 98.7167**, and if you desaturate by 10%, it is **92.1766, 98.6465, 102.9907**.

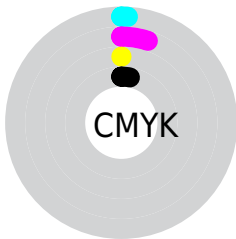
Distribution



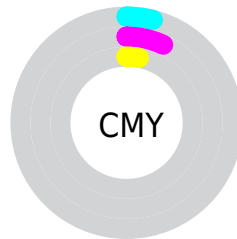
- Red (96%)
- Green (93%)
- Blue (97%)



- Red (96%)
- Yellow (93%)
- Blue (97%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (4%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9448, 86.3610, 100.9992 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 84.9448, 86.3610, 100.9992 by changing the saturation by 10% instead.

84.9448, 86.3610,
100.9992

84.9448, 86.3610,
100.9992

499.9318,
516.1208, 584.6655

64.1181, 64.9665,
76.5137

139.2105,
142.2731, 164.5935

47.0084, 47.4339,
56.3447

173.3802,
177.5596, 204.5394

33.2503, 33.3788,
40.0735

212.7283,
218.2455, 250.4758

22.4784, 22.4168,
27.2816

257.6201,
264.7153, 302.8214

14.3274, 14.1635,
17.5505

308.4210,
317.3533, 361.9946

8.4319, 8.2345,
10.4617

365.4963,

4.4267, 4.2453,

376.5440, 428.4140

5.5966

429.2115,
442.6717, 502.4981

■ 1.9462, 1.8117,
2.5366

■ 0.6035, 0.4945,
0.8594

■ 84.9448, 86.3610,
100.9992

■ 84.9448, 86.3610,
100.9992

■ 76.8614, 72.3219,
98.7167

■ 92.1766, 98.6465,
102.9907

■ 69.7585, 60.1973,
96.7508

■ 93.6755, 99.4192,
103.0608

■ 63.5947, 49.9039,
95.0888

■ 93.9435, 99.5574,
103.0734

■ 58.3233, 41.3480,
93.7152

■ 53.8929, 34.4277,
92.6130

■ 50.2472, 29.0301,
91.7633

■ 47.3222, 25.0282,
91.1450

■ 45.0440, 22.2740,
90.7334

■ 43.3214, 20.5857,
90.4984

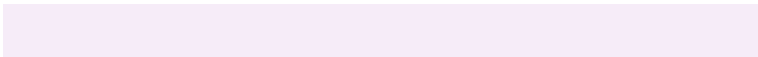
Harmonies

Analogous

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



83.3523, 86.3610, 104.3276



84.9448, 86.3610, 100.9992



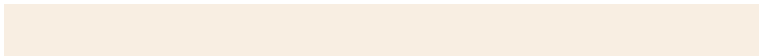
85.7746, 86.3610, 95.8842

Triad

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



84.9448, 86.3610, 100.9992



82.7276, 86.3610, 83.9959



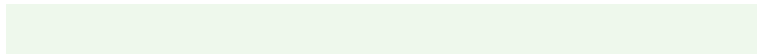
78.6612, 86.3610, 97.6939

Complementary

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



84.9448, 86.3610, 100.9992



83.9707, 91.3703, 92.5717

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.



78.4999, 86.3610, 92.2047



84.9448, 86.3610, 100.9992



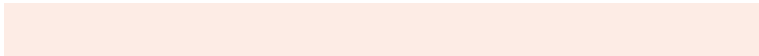
80.8278, 86.3610, 84.4379

Square

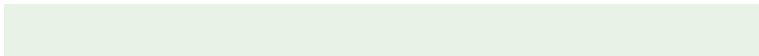
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9448, 86.3610, 100.9992



84.4814, 86.3610, 86.1618



79.2873, 86.3610, 87.3937



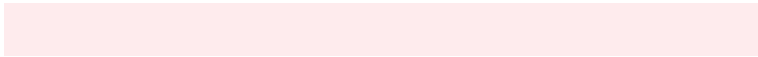
79.7315, 86.3610, 102.3683

Rectangle

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



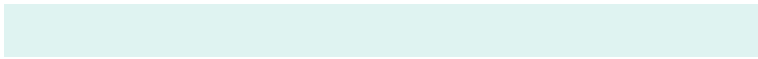
84.9448, 86.3610, 100.9992



85.7750, 86.3610, 92.2105



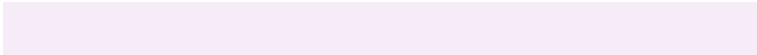
79.2873, 86.3610, 87.3937



78.4995, 86.3610, 95.8783

Sweetspot

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



84.9473, 86.3647, 101.0011



94.0857, 98.3033, 108.6233



82.1717, 85.8797, 101.0537



20.1484, 21.0588, 23.2528



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

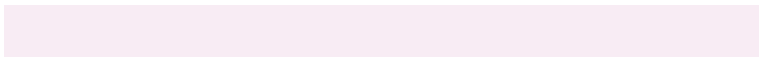
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9473, 86.3647, 101.0011



89.4297, 90.1432, 107.2937



85.0690, 86.4949, 97.9611



18.2063, 18.2645, 21.9511



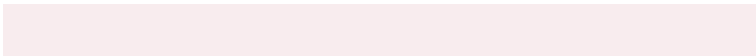
23.1051, 10.8538, 48.8508



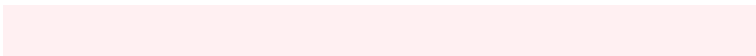
2.2128, 1.0428, 4.5278

Inverse Universe

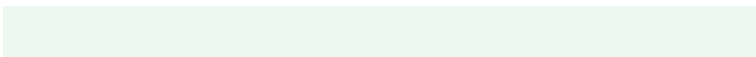
The Inverse Universe completely reimagines the original color for something new.



84.1424, 86.1242, 93.0819



88.3765, 89.8296, 96.8827



83.8609, 91.2493, 95.4787



17.9690, 18.1939, 19.5990



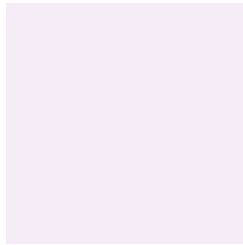
21.1653, 10.8818, 2.3129



1.9927, 1.0208, 0.3850

Previews

White Background



This preview shows how the XYZ color 84.9448, 86.3610, 100.9992 looks on a white background.

Color Contrast Check

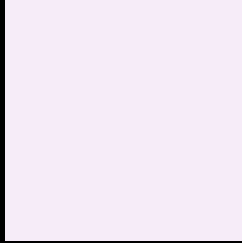
Large Text (above 18pt) WCAG AA × Fail

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 84.9448, 86.3610, 100.9992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

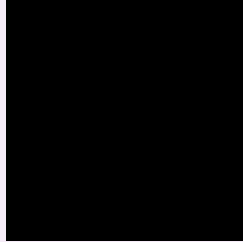
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

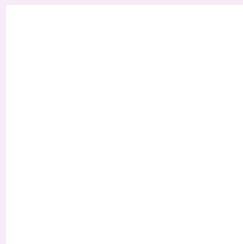
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9448, 86.3610, 100.9992

Background



This preview shows how black text looks on a background with the XYZ color 84.9448, 86.3610, 100.9992.



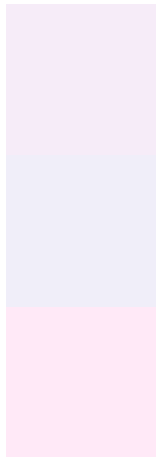
This preview shows how white text looks on a background with the XYZ color 84.9448, 86.3610,

100.9992.

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

84.9448, 86.3610, 100.9992

Protanopia

83.6086, 86.5139, 101.9147

Deuteranopia

87.1674, 86.2532, 100.0500



Tritanopia

85.9555, 86.3466, 105.9021

Trichromacy



Original Color

84.9448, 86.3610, 100.9992

Protanomaly

84.0010, 86.2852, 101.8499

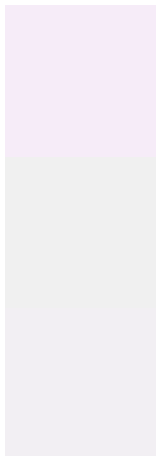
Deuteranomaly

86.3562, 86.2565, 100.0934

Tritanomaly

85.6368, 86.2191, 104.2239

Monochromacy



Original Color

84.9448, 86.3610, 100.9992

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.6621, 87.0813, 97.1929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9448, 86.3610, 100.9992 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(246, 236, 248) looks like.

```
.text, #text, p{  
    color:rgb(246, 236, 248)  
}
```

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(246, 236, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 236, 248) }
```

Border

The CSS property to change the border of an element to XYZ 84.9448, 86.3610, 100.9992 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(246, 236, 248) }
```


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

```
.border{ border-color:rgb(246, 236, 248) }
```

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

Here you see how a box with a 4 pixel rgb(246, 236, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 236, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 236, 248);  
box-shadow:4px 4px 4px 4px rgb(246, 236,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9448, 86.3610, 100.9992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 236, 248) }
```

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

```
.background{ background-color: rgb(246,  
236, 248) }
```

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