

Converting Colors

XYZ(84.7287, 90.4232, 90.5049)

Have a look what the booklet for
XYZ(84.7287, 90.4232, 90.5049)
contains.

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Color

**XYZ(84.8119, 90.4784,
90.8359)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F5EA
RGB	244, 245, 234
RGB Percent	96%, 96%, 92%
CMY	0.0431, 0.0392, 0.0823
CMYK	0.00, 0.00, 0.04, 0.04
HSL	65°, 36%, 94%
HSV	65°, 4%, 96%
XYZ	84.8119, 90.4784, 90.8359
YIQ	243.4470, 2.9350, -3.6330

Conversions

Conversions Part 2

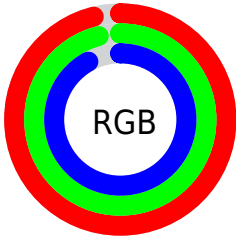
Format	Color
R _Y B	234, 245, 235
Decimal	16053738
CIE Lab	96.19, -2.23, 5.16
CIE LCh	96, 5.625, 113.377
Yxy	90.4784, 0.3187, 0.3400
Android (android.graphics.Color)	4294243818 (0xFFFF4F5EA)
YUV	243.4470, -4.6574, 0.4850
Hunter-Lab	95.1201, -7.3044, 9.9645

Details

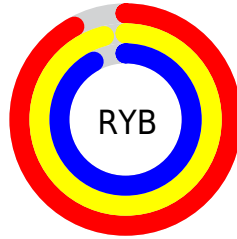
The XYZ color **84.8119, 90.4784, 90.8359** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.1687, 83.1028, 98.2060**, and the grayscale version is **85.5839, 90.0410, 98.0546**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9725, 50.3009, 49.3528** is the 20% darker color. If you saturate the color by 10%, you get **80.7623, 88.7723, 73.5256**, and if you desaturate by 10%, it is **88.7937, 92.1642, 107.7173**.

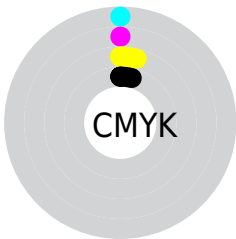
Distribution



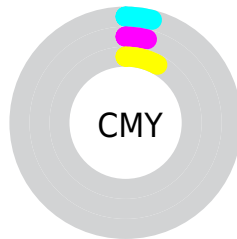
- Red (96%)
- Green (96%)
- Blue (92%)



- Red (92%)
- Yellow (96%)
- Blue (92%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8119, 90.4784, 90.8359 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 84.8119, 90.4784, 90.8359 by changing the saturation by 10% instead.

84.8119, 90.4784,
90.8359

84.8119, 90.4784,
90.8359

499.4985,
529.5858, 551.3864

64.0079, 68.3775,
68.0965

139.0257,
148.0027, 150.4446

46.9188, 50.2049,
49.5091

173.1663,
184.1950, 188.1510

33.1792, 35.5762,
34.6550

212.4831,
225.8531, 231.6835

22.4236, 24.1071,
23.1159

257.3416,
273.3615, 281.4607

14.2868, 15.4131,
14.4730

308.1070,
327.1045, 337.9010

8.4035, 9.1098,
8.3079

365.1447,

4.4082, 4.8129,

387.4667, 401.4230

4.2020

428.8201,
454.8323, 472.4453

■ 1.9355, 2.1379,
1.7368

■ 0.5974, 0.6858,
0.3858

■ 84.8119, 90.4784,
90.8359

■ 84.8119, 90.4784,
90.8359

■ 80.7623, 88.7723,
73.5256

■ 88.7937, 92.1642,
107.7173

■ 77.1865, 87.2540,
58.6728

■ 89.5840, 92.5716,
107.7543

■ 74.0658, 85.9188,
46.1678

■ 90.3838, 92.9839,
107.7917

■ 71.3773, 84.7575,
35.8902

■ 91.1930, 93.4011,
107.8296

■ 69.0961, 83.7602,
27.7089

■ 91.9442, 93.7884,
107.8647

■ 67.1948, 82.9160,
21.4793

■ 65.6422, 82.2123,
17.0382

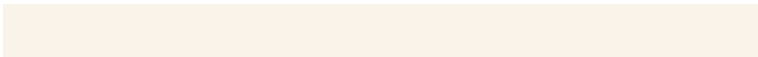
■ 64.4023, 81.6347,
14.1962

■ 63.4311, 81.1657,
12.7211

Harmonies

Analogous

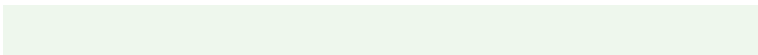
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3436, 90.4784, 90.2234



84.8119, 90.4784, 90.8359



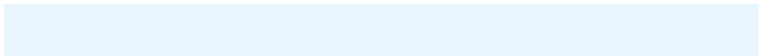
83.6111, 90.4784, 93.4774

Triad

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



84.8119, 90.4784, 90.8359



84.2193, 90.4784, 105.5749



89.0122, 90.4784, 99.5102

Complementary

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



84.8119, 90.4784, 90.8359



80.1687, 83.1028, 98.2060

Split Complementary

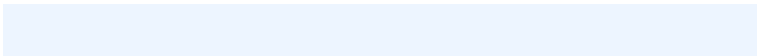
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4278, 90.4784, 103.7317



84.8119, 90.4784, 90.8359



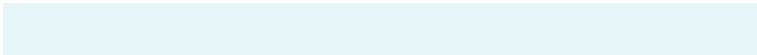
85.6514, 90.4784, 107.3009

Square

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



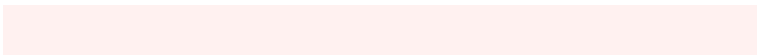
84.8119, 90.4784, 90.8359



83.2719, 90.4784, 101.9648



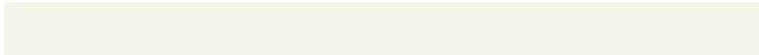
87.1931, 90.4784, 106.6164



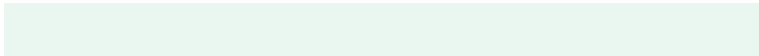
88.7809, 90.4784, 95.1450

Rectangle

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



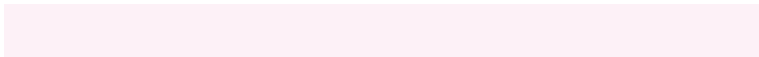
84.8119, 90.4784, 90.8359



83.1536, 90.4784, 96.0775



87.1931, 90.4784, 106.6164



88.9045, 90.4784, 100.9946

Sweetspot

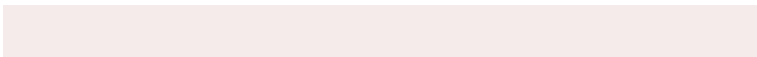
The Sweet Spot groups the original color and five complimentary colors.



84.8144, 90.4823, 90.8379



94.5565, 99.7927, 106.7480



82.1948, 84.7243, 89.8645



20.2442, 21.3619, 22.8712



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.



84.8144, 90.4823, 90.8379



92.6377, 98.9858, 98.4250



82.9630, 89.5279, 90.7512



18.0943, 19.3745, 19.0225



33.9865, 43.6335, 6.6308



3.0299, 3.8570, 0.5848

Inverse Universe

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



80.1687, 83.1028, 98.2060



86.9817, 90.0016, 107.3954



81.9839, 84.0386, 98.2909



16.8410, 17.3836, 21.0103



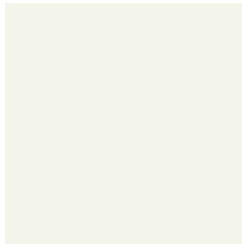
9.1099, 3.6707, 46.7664



0.8474, 0.3467, 4.1125

Previews

White Background



This preview shows how the XYZ color 84.8119, 90.4784, 90.8359 looks on a white background.

Color Contrast Check

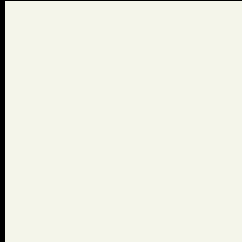
Large Text (above 18pt) WCAG AA × Fail

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 84.8119, 90.4784, 90.8359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

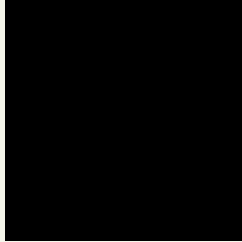
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

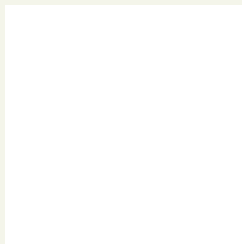
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.8119, 90.4784, 90.8359

Background



This preview shows how black text looks on a background with the XYZ color 84.8119, 90.4784, 90.8359.



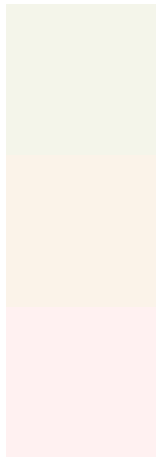
This preview shows how white text looks on a background with the XYZ color 84.8119, 90.4784,

90.8359.

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

84.8119, 90.4784, 90.8359

Protanopia

86.5422, 90.4936, 89.9965

Deuteranopia

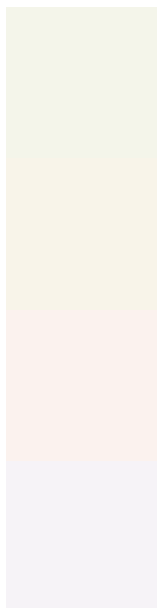
88.5725, 90.5215, 96.0232



Tritanopia

88.1599, 90.4984, 107.4292

Trichromacy



Original Color

84.8119, 90.4784, 90.8359

Protanomaly

85.7701, 90.5410, 90.0464

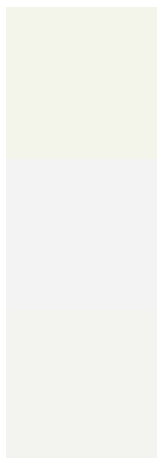
Deuteranomaly

86.9684, 90.1865, 93.7129

Tritanomaly

86.8451, 90.4094, 100.8692

Monochromacy



Original Color

84.8119, 90.4784, 90.8359

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.0410, 90.0473, 95.3368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8119, 90.4784, 90.8359 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(244, 245, 234) looks like.

```
.text, #text, p{  
    color:rgb(244, 245, 234)  
}
```

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(244, 245, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 245, 234) }
```

Border

The CSS property to change the border of an element to XYZ 84.8119, 90.4784, 90.8359 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(244, 245, 234) }
```


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

```
.border{ border-color:rgb(244, 245, 234) }
```

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

Here you see how a box with a 4 pixel rgb(244, 245, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 245, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 245, 234);  
box-shadow:4px 4px 4px 4px rgb(244, 245,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8119, 90.4784, 90.8359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 245, 234) }
```

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

```
.background{ background-color: rgb(244,  
245, 234) }
```

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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