

Converting Colors

XYZ(84.5625, 91.0859, 87.0917)

Have a look what the booklet for
XYZ(84.5625, 91.0859, 87.0917)
contains.

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Color

**XYZ(84.4069, 90.8018,
87.2065)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F6E5
RGB	244, 246, 229
RGB Percent	96%, 96%, 90%
CMY	0.0431, 0.0353, 0.1020
CMYK	0.01, 0.00, 0.07, 0.04
HSL	67°, 49%, 93%
HSV	67°, 7%, 96%
XYZ	84.4069, 90.8018, 87.2065
YIQ	243.4640, 4.2650, -5.7110

Conversions

Conversions Part 2

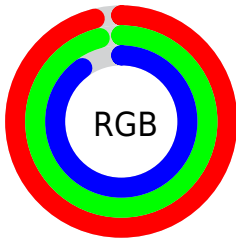
Format	Color
R_{YB}	229, 246, 231
Decimal	16053989
CIE Lab	96.33, -3.57, 7.93
CIE LCh	96, 8.703, 114.251
Yxy	90.8018, 0.3217, 0.3460
Android (android.graphics.Color)	4294244069 (0xFFFF4F6E5)
YUV	243.4640, -7.1308, 0.4701
Hunter-Lab	95.2900, -8.6440, 12.4426

Details

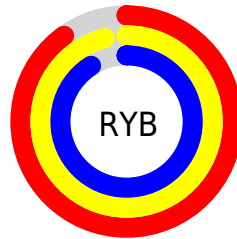
The XYZ color **84.4069, 90.8018, 87.2065** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.6123, 79.6838, 98.4835**, and the grayscale version is **85.6159, 90.0746, 98.0912**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7925, 50.5743, 47.3400** is the 20% darker color. If you saturate the color by 10%, you get **80.2151, 89.0127, 70.3327**, and if you desaturate by 10%, it is **89.1064, 92.8017, 106.6485**.

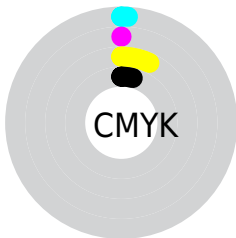
Distribution



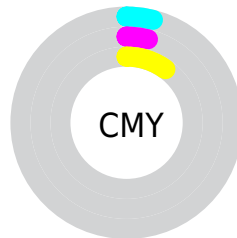
- Red (96%)
- Green (96%)
- Blue (90%)



- Red (90%)
- Yellow (96%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (4%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.4069, 90.8018, 87.2065 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 84.4069, 90.8018, 87.2065 by changing the saturation by 10% instead.


 84.4069, 90.8018,
87.2065

 84.4069, 90.8018,
87.2065


498.1768,
530.6356, 539.2350

 63.6723, 68.6458,
65.1055

138.4625,
148.4516, 145.3533

 46.6460, 50.4233,
47.0948


172.5143,
184.7143, 182.2363

 32.9626, 35.7499,
32.7557


211.7357,
226.4480, 224.8836

 22.2569, 24.2411,
21.6698


256.4923,
274.0371, 273.7138

 14.1635, 15.5126,
13.4185

307.1494,
327.8660, 329.1456

 8.3169, 9.1799,
7.5832

364.0722,

 4.3519, 4.8587,

388.3192, 391.5973

3.7455

427.6262,
455.7809, 461.4876

■ 1.9031, 2.1646,
1.4868

■ 0.5786, 0.7006,
0.2081

■ 84.4069, 90.8018,
87.2065

■ 84.4069, 90.8018,
87.2065

■ 80.2151, 89.0127,
70.3327

■ 89.1064, 92.8017,
106.6485

■ 76.5030, 87.4143,
55.9141

■ 90.3608, 93.4225,
107.8776

■ 73.2513, 86.0019,
43.8378

■ 91.4070, 93.9618,
107.9265

■ 70.4363, 84.7660,
33.9798

■ 92.2476, 94.3951,
107.9659

■ 68.0323, 83.6963,
26.2047

■ 66.0107, 82.7814,
20.3624

■ 64.3390, 82.0081,
16.2826

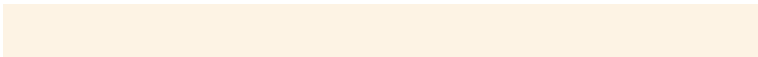
■ 62.9793, 81.3615,
13.7656

■ 61.8831, 80.8220,
12.5568

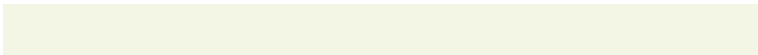
Harmonies

Analogous

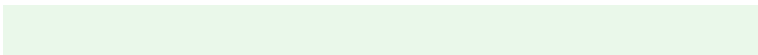
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7714, 90.8018, 86.1903



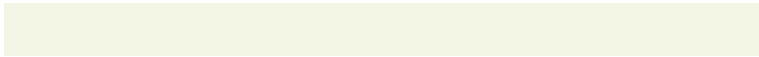
84.4069, 90.8018, 87.2065



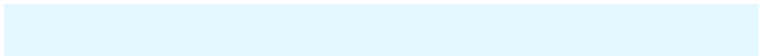
82.5821, 90.8018, 91.2834

Triad

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



84.4069, 90.8018, 87.2065



83.6139, 90.8018, 110.0843



91.0182, 90.8018, 100.2088

Complementary

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



84.4069, 90.8018, 87.2065



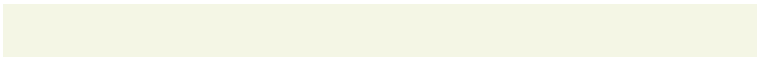
77.6123, 79.6838, 98.4835

Split Complementary

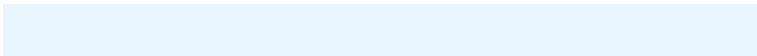
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1368, 90.8018, 106.8609



84.4069, 90.8018, 87.2065



85.8391, 90.8018, 112.7310

Square

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



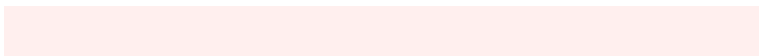
84.4069, 90.8018, 87.2065



82.1303, 90.8018, 104.4440



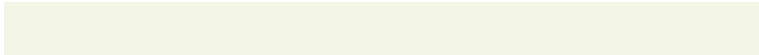
88.2301, 90.8018, 111.5247



90.6175, 90.8018, 93.4936

Rectangle

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



84.4069, 90.8018, 87.2065



81.9022, 90.8018, 95.2941



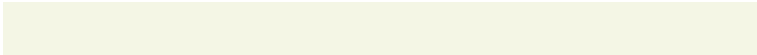
88.2301, 90.8018, 111.5247



90.8616, 90.8018, 102.5296

Sweetspot

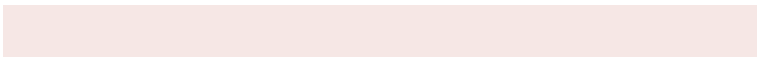
The Sweet Spot groups the original color and five complimentary colors.



84.4094, 90.8057, 87.2085



94.0188, 99.5620, 104.6224



80.7231, 82.3949, 85.7793



20.1347, 21.3150, 22.4383



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.



84.4094, 90.8057, 87.2085



91.0584, 98.3018, 92.4695



81.5336, 89.3232, 87.0739



17.7111, 19.2086, 17.5717



32.9429, 43.0955, 6.5820



2.9487, 3.8151, 0.5810

Inverse Universe

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



77.6123, 79.6838, 98.4835



82.5706, 84.4132, 106.5492



80.4168, 81.1295, 98.6147



15.7626, 16.0202, 20.8040



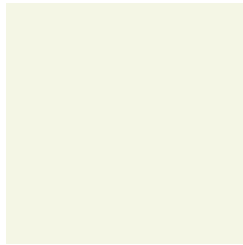
9.2085, 3.7215, 46.7710



0.8669, 0.3568, 4.1134

Previews

White Background



This preview shows how the XYZ color 84.4069, 90.8018, 87.2065 looks on a white background.

Color Contrast Check

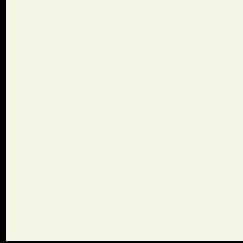
Large Text (above 18pt) WCAG AA × Fail

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 84.4069, 90.8018, 87.2065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

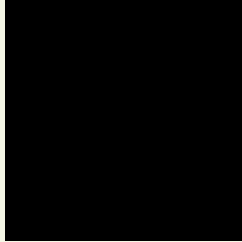
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

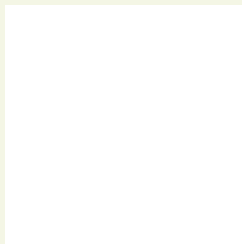
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.4069, 90.8018, 87.2065

Background



This preview shows how black text looks on a background with the XYZ color 84.4069, 90.8018, 87.2065.



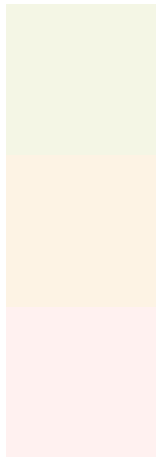
This preview shows how white text looks on a background with the XYZ color 84.4069, 90.8018,

87.265.

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

84.4069, 90.8018, 87.2065

Protanopia

86.5622, 90.5853, 86.3212

Deuteranopia

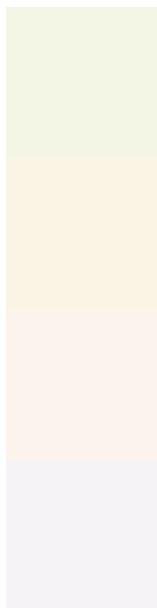
88.4235, 90.4619, 95.2385



Tritanopia

88.1599, 90.4984, 107.4292

Trichromacy



Original Color

84.4069, 90.8018, 87.2065

Protanomaly

85.7786, 90.6268, 86.3705

Deuteranomaly

86.9746, 90.6665, 92.2732

Tritanomaly

86.6912, 90.3478, 100.0585

Monochromacy



Original Color

84.4069, 90.8018, 87.2065

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7454, 89.9291, 93.7804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4069, 90.8018, 87.2065 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, 246, 229) looks like.

```
.text, #text, p{  
    color:rgb(244, 246, 229)  
}
```

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, 246, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 246, 229) }
```

Border

The CSS property to change the border of an element to XYZ 84.4069, 90.8018, 87.2065 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, 246, 229) }
```


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

```
.border{ border-color:rgb(244, 246, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 246, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 246, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 246, 229);  
box-shadow:4px 4px 4px 4px rgb(244, 246,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4069, 90.8018, 87.2065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 246, 229) }
```

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

```
.background{ background-color: rgb(244,  
246, 229) }
```

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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