

# Converting Colors

XYZ(84.7719, 90.3197, 88.9792)

Have a look what the booklet for  
XYZ(84.7719, 90.3197, 88.9792)  
contains.

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# Color

**XYZ(84.8741, 90.5435,  
89.3472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F5E8
RGB	245, 245, 232
RGB Percent	96%, 96%, 91%
CMY	0.0392, 0.0392, 0.0902
CMYK	0.00, 0.00, 0.05, 0.04
HSL	60°, 39%, 94%
HSV	60°, 5%, 96%
XYZ	84.8741, 90.5435, 89.3472
YIQ	243.5180, 4.1730, -4.0430

# Conversions

## Conversions Part 2

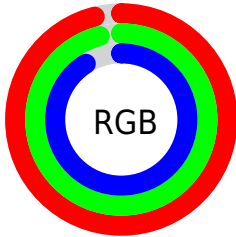
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 245, 232
Decimal	16119272
CIE Lab	96.22, -2.23, 6.24
CIE LCh	96, 6.630, 109.655
Yxy	90.5435, 0.3206, 0.3420
Android (android.graphics.Color)	4294309352 (0xFF5F5E8)
YUV	243.5180, -5.6784, 1.2997
Hunter-Lab	95.1543, -7.3048, 10.9364

# Details

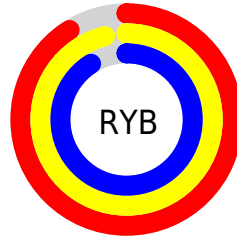
The XYZ color **84.8741, 90.5435, 89.3472** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.6202, 81.4640, 97.9714**, and the grayscale version is **85.6478, 90.1082, 98.1278**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0203, 50.3486, 48.3143** is the 20% darker color. If you saturate the color by 10%, you get **81.6317, 89.2491, 72.2776**, and if you desaturate by 10%, it is **88.3639, 91.9427, 107.6972**.

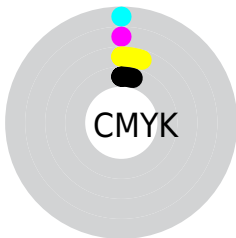
# Distribution



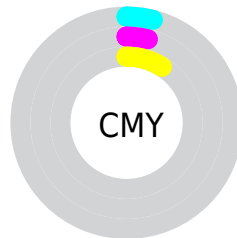
- Red (96%)
- Green (96%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8741, 90.5435, 89.3472 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 84.8741, 90.5435, 89.3472 by changing the saturation by 10% instead.



84.8741, 90.5435,  
89.3472

84.8741, 90.5435,  
89.3472

499.7013,  
529.7973, 546.4202

64.0595, 68.4315,  
66.8687

139.1122,  
148.0931, 148.3589

46.9607, 50.2489,  
48.5170

173.2664,  
184.2995, 185.7291

33.2124, 35.6112,  
33.8736

212.5979,  
225.9729, 228.9003

22.4492, 24.1341,  
22.5199

257.4719,  
273.4975, 278.2911

14.3058, 15.4331,  
14.0375

308.2540,  
327.2579, 334.3199

8.4168, 9.1239,  
8.0077

365.3093,

4.4168, 4.8221,

387.6384, 397.4054

4.0120

429.0033,  
455.0234, 467.9660

■ 1.9405, 2.1433,  
1.6319

■ 0.6002, 0.6888,  
0.3135

■ 84.8741, 90.5435,  
89.3472

■ 84.8741, 90.5435,  
89.3472

■ 81.6317, 89.2491,  
72.2776

■ 88.3639, 91.9427,  
107.6972

■ 78.8522, 88.1370,  
57.6562

■ 88.3669, 91.9442,  
107.6973

■ 76.5166, 87.2024,  
45.3727

■ 88.3699, 91.9458,  
107.6975

■ 74.6019, 86.4362,  
35.3059

■ 88.3729, 91.9473,  
107.6976

73.0831, 85.8283,  
27.3238

88.3759, 91.9489,  
107.6977

71.9325, 85.3677,  
21.2803

88.3789, 91.9504,  
107.6979

71.1187, 85.0418,  
17.0106

88.3819, 91.9520,  
107.6980

70.6052, 84.8361,  
14.3225

88.3849, 91.9535,  
107.6982

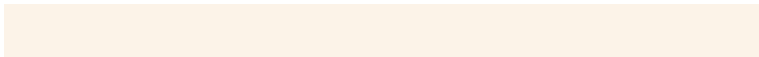
70.3472, 84.7325,  
12.9792

88.3879, 91.9551,  
107.6983

# Harmonies

## Analogous

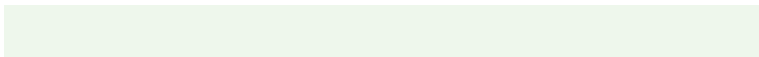
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6959, 90.5435, 88.9491



84.8741, 90.5435, 89.3472



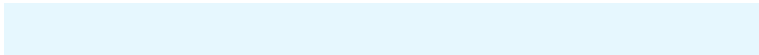
83.3899, 90.5435, 92.1701

# Triad

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



84.8741, 90.5435, 89.3472



83.7883, 90.5435, 106.5140



89.5872, 90.5435, 100.4176

# Complementary

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



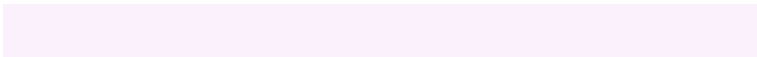
84.8741, 90.5435, 89.3472



78.6202, 81.4640, 97.9714

# Split Complementary

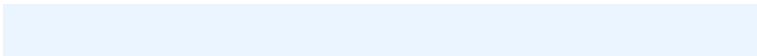
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7842, 90.5435, 105.2940



84.8741, 90.5435, 89.3472



85.4250, 90.5435, 108.8960

# Square

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



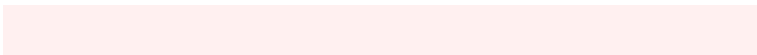
84.8741, 90.5435, 89.3472



82.7692, 90.5435, 102.0347



87.2546, 90.5435, 108.4417



89.4345, 90.5435, 95.2168

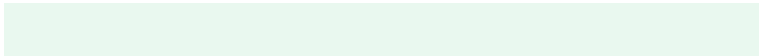


# Rectangle

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



84.8741, 90.5435, 89.3472



82.7834, 90.5435, 95.1049



87.2546, 90.5435, 108.4417



89.4196, 90.5435, 102.1520

# Sweetspot

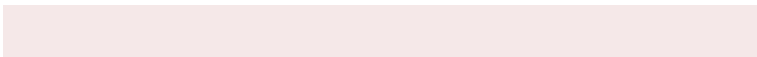
The Sweet Spot groups the original color and five complimentary colors.



84.8766, 90.5474, 89.3492



94.2390, 99.6755, 104.6327



81.0811, 82.9541, 88.0835



20.1795, 21.3381, 22.4404



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.



84.8766, 90.5474, 89.3492



92.6817, 99.0524, 96.4388



82.6493, 89.3992, 89.2449



18.1188, 19.3952, 18.6582



37.8608, 45.6308, 6.8121



3.3278, 4.0106, 0.5987



# Inverse Universe

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



78.6202, 81.4640, 97.9714



84.9571, 87.8374, 107.0843



80.7688, 82.5716, 98.0719



16.4541, 16.9782, 20.9525



8.8797, 3.5520, 46.7556

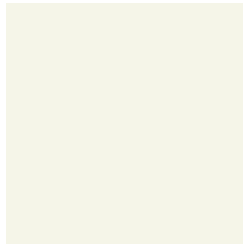


0.7806, 0.3123, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 84.8741, 90.5435, 89.3472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

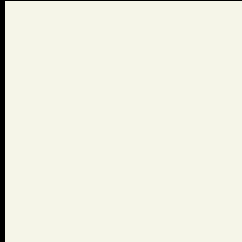
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.8741, 90.5435, 89.3472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

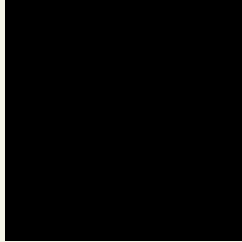
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

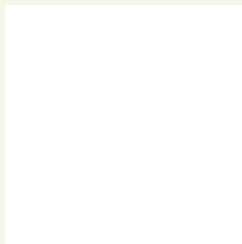
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.8741, 90.5435, 89.3472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.8741, 90.5435, 89.3472.



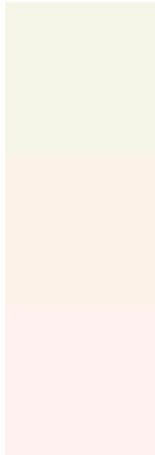
This preview shows how white text looks on a background with the XYZ color 84.8741, 90.5435, 89.3472.

89.3472.

# 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

84.8741, 90.5435, 89.3472

### Protanopia

86.2581, 90.3799, 88.5001

### Deuteranopia

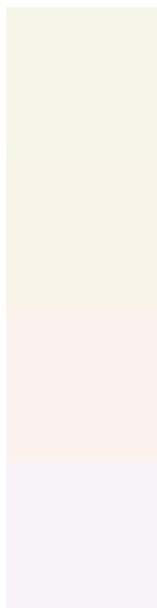
88.4235, 90.4619, 95.2385



## Tritanopia

88.5135, 90.6807, 107.4457

# Trichromacy



## Original Color

84.8741, 90.5435, 89.3472

## Protanomaly

85.8414, 90.6106, 88.5666

## Deuteranomaly

86.8219, 90.1279, 92.9412

## Tritanomaly

87.1969, 90.5907, 100.8857

# Monochromacy



## Original Color

84.8741, 90.5435, 89.3472

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.3871, 90.2257, 95.3530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8741, 90.5435, 89.3472 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(245, 245, 232) looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 232)  
}
```

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(245, 245, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8741, 90.5435, 89.3472 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(245, 245, 232) }
```



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

```
.border{ border-color:rgb(245, 245, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 232);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8741, 90.5435, 89.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 232) }
```

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

```
.background{ background-color: rgb(245,  
245, 232) }
```

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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