

# Converting Colors

XYZ(85.0452, 88.5822,  
102.6899)

Have a look what the booklet for  
XYZ(85.0452, 88.5822, 102.6899)  
contains.

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# Color

**XYZ(84.9862, 88.5135,  
103.0480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F1FA
RGB	241, 241, 250
RGB Percent	95%, 95%, 98%
CMY	0.0549, 0.0549, 0.0196
CMYK	0.04, 0.04, 0.00, 0.02
HSL	240°, 47%, 96%
HSV	240°, 4%, 98%
XYZ	84.9862, 88.5135, 103.0480
YIQ	242.0260, -2.8890, 2.7990

# Conversions

## Conversions Part 2

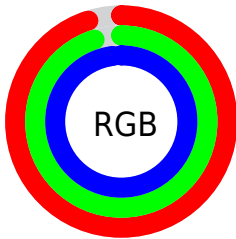
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 241, 250
Decimal	15856122
CIE Lab	95.38, 1.62, -4.33
CIE LCh	95, 4.627, 290.549
Yxy	88.5135, 0.3073, 0.3201
Android (android.graphics.Color)	4294046202 (0xFFFF1F1FA)
YUV	242.0260, 3.9312, -0.8998
Hunter-Lab	94.0816, -3.3995, 0.9165

# Details

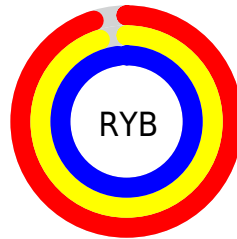
The XYZ color **84.9862, 88.5135, 103.0480** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.4872, 95.0449, 96.8494**, and the grayscale version is **84.3924, 88.7874, 96.6894**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0942, 48.9073, 57.9969** is the 20% darker color. If you saturate the color by 10%, you get **70.1351, 70.6218, 100.3786**, and if you desaturate by 10%, it is **94.2556, 99.6822, 104.7166**.

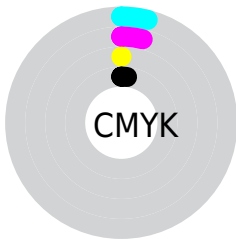
# Distribution



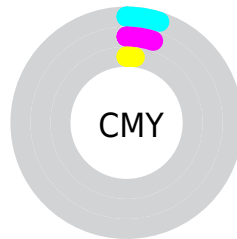
- Red (95%)
- Green (95%)
- Blue (98%)



- Red (95%)
- Yellow (95%)
- Blue (98%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (5%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9862, 88.5135, 103.0480 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 84.9862, 88.5135, 103.0480 by changing the saturation by 10% instead.



84.9862, 88.5135,  
103.0480

84.9862, 88.5135,  
103.0480

500.0668,  
523.1834, 591.2512

64.1524, 66.7484,  
78.2175

139.2680,  
145.2718, 167.4279

47.0363, 48.8802,  
57.7351

173.4468,  
181.0339, 207.8142

33.2724, 34.5245,  
41.1825

212.8046,  
222.2304, 254.2230

22.4954, 23.2968,  
28.1409

257.7068,  
269.2457, 307.0727

14.3400, 14.8128,  
18.1919

308.5188,  
322.4643, 366.7818

8.4408, 8.6881,  
10.9170

365.6059,

4.4325, 4.5383,

382.2705, 433.7689

5.8976

429.3334,  
449.0487, 508.4525

■ 1.9496, 1.9790,  
2.7151

■ 0.6054, 0.5952,  
0.9510

■ 84.9862, 88.5135,  
103.0480

■ 84.9862, 88.5135,  
103.0480

■ 70.1351, 70.6218,  
100.3786

94.2556, 99.6822,  
104.7166

■ 57.3787, 55.2527,  
98.0844

■ 46.6251, 42.2961,  
96.1503

■ 37.7726, 31.6297,  
94.5581

■ 30.7107, 23.1203,  
93.2878

■ 25.3174, 16.6211,  
92.3176

■ 21.4555, 11.9668,  
91.6228

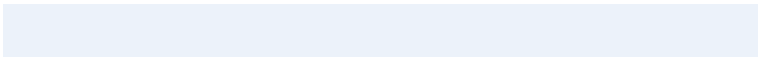
■ 18.9663, 8.9661,  
91.1748

■ 17.6561, 7.3861,  
90.9389

# Harmonies

## Analogous

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



83.7306, 88.5135, 103.4131



84.9862, 88.5135, 103.0480



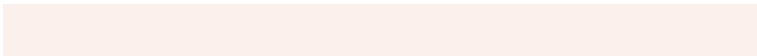
86.0218, 88.5135, 100.8711

# Triad

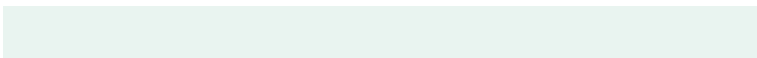
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9862, 88.5135, 103.0480



85.6846, 88.5135, 91.0960



81.7526, 88.5135, 95.2367

# Complementary

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



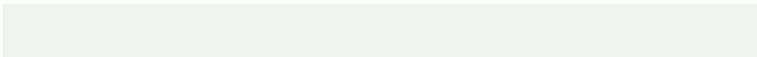
84.9862, 88.5135, 103.0480



89.4872, 95.0449, 96.8494

# 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.



82.2650, 88.5135, 92.0168



84.9862, 88.5135, 103.0480



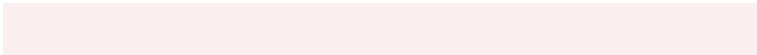
84.5295, 88.5135, 89.6659

# Square

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



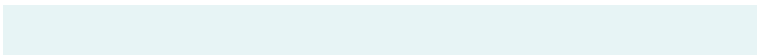
84.9862, 88.5135, 103.0480



86.4279, 88.5135, 93.9513



83.2784, 88.5135, 89.9987



81.8721, 88.5135, 98.8423

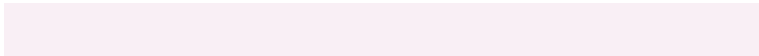


# Rectangle

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



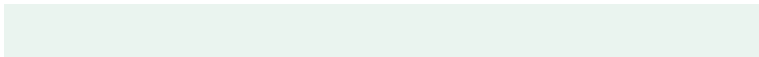
84.9862, 88.5135, 103.0480



86.4441, 88.5135, 98.7147



83.2784, 88.5135, 89.9987



81.8564, 88.5135, 94.0748

# Sweetspot

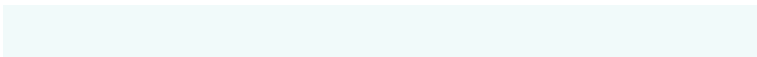
The Sweet Spot groups the original color and five complimentary colors.



84.9887, 88.5173, 103.0499



93.3103, 97.9041, 108.5871



87.6943, 93.9661, 103.8358



19.9906, 20.9776, 23.2454



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.



84.9887, 88.5173, 103.0499



88.2298, 91.7832, 107.6735



86.4903, 89.2896, 103.1199



17.8273, 18.5039, 22.0173



9.1537, 3.6630, 48.1981

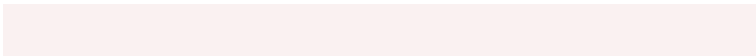


0.8480, 0.3397, 4.4640

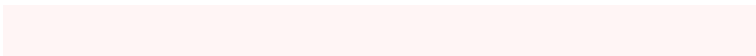


# Inverse Universe

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



86.7587, 89.5871, 95.9429



90.2835, 93.0245, 99.4270



87.9475, 94.2531, 96.7777



18.3237, 18.8040, 20.0239



20.9124, 10.7807, 0.9811

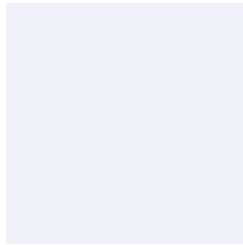


1.9370, 0.9985, 0.0914



# Previews

## White Background



This preview shows how the XYZ color 84.9862, 88.5135, 103.0480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

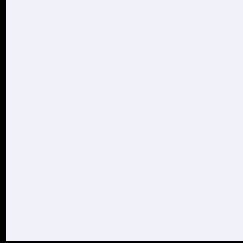
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9862, 88.5135, 103.0480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

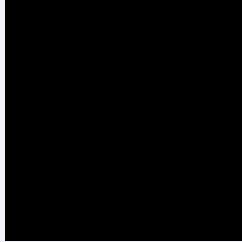
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

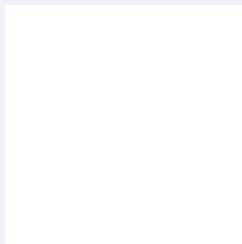
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.9862, 88.5135, 103.0480

## Background



This preview shows how black text looks on a background with the XYZ color 84.9862, 88.5135, 103.0480.



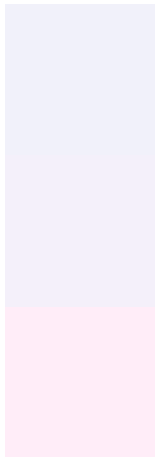
This preview shows how white text looks on a background with the XYZ color 84.9862, 88.5135,

103.0480.

# 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

84.9862, 88.5135, 103.0480

### Protanopia

85.7236, 88.4554, 102.9980

### Deuteranopia

88.4675, 88.6057, 101.2468



## Tritanopia

85.8280, 88.4174, 107.1504

# Trichromacy



## Original Color

84.9862, 88.5135, 103.0480

## Protanomaly

85.3776, 88.2770, 102.9818

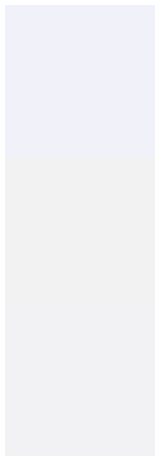
## Deuteranomaly

87.0978, 88.3126, 102.0780

## Tritanomaly

85.5077, 88.2893, 105.4633

# Monochromacy



## Original Color

84.9862, 88.5135, 103.0480

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.8515, 88.9741, 99.0878

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9862, 88.5135, 103.0480 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(241, 241, 250)` looks like.

```
.text, #text, p{  
    color:rgb(241, 241, 250)  
}
```

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(241, 241, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 241, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9862, 88.5135, 103.0480 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(241, 241, 250) }
```



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

```
.border{ border-color:rgb(241, 241, 250) }
```

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

Here you see how a box with a 4 pixel rgb(241, 241, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 241, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 241, 250);  
box-shadow:4px 4px 4px 4px rgb(241, 241,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9862, 88.5135, 103.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 241, 250) }
```

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

```
.background{ background-color: rgb(241,  
241, 250) }
```

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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