

# Converting Colors

XYZ(82.6399, 84.4538, 99.9579)

Have a look what the booklet for  
XYZ(82.6399, 84.4538, 99.9579)  
contains.

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# Color

**XYZ(82.4869, 84.2618,  
99.9123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1EAF7
RGB	241, 234, 247
RGB Percent	95%, 92%, 97%
CMY	0.0549, 0.0823, 0.0314
CMYK	0.02, 0.05, 0.00, 0.03
HSL	272°, 45%, 94%
HSV	272°, 5%, 97%
XYZ	82.4869, 84.2618, 99.9123
YIQ	237.5750, -0.0010, 5.5270

# Conversions

## Conversions Part 2

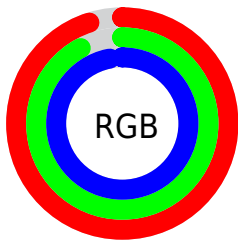
Format	Color
R <sub>Y</sub> B	241, 234, 247
Decimal	15854327
CIE Lab	93.56, 4.67, -5.45
CIE LCh	94, 7.173, 310.605
Yxy	84.2618, 0.3093, 0.3160
Android (android.graphics.Color)	4294044407 (0xFF1EAF7)
YUV	237.5750, 4.6465, 3.0037
Hunter-Lab	91.7942, -0.2386, -0.2775

# Details

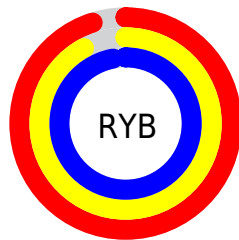
The XYZ color **82.4869, 84.2618, 99.9123** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.0504, 90.9896, 90.9790**, and the grayscale version is **80.9069, 85.1203, 92.6960**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3319, 45.9167, 55.7638** is the 20% darker color. If you saturate the color by 10%, you get **72.1685, 69.2230, 97.5546**, and if you desaturate by 10%, it is **92.8405, 99.0067, 102.2139**.

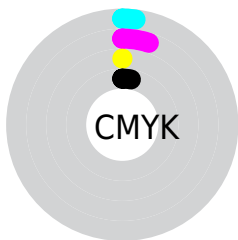
# Distribution



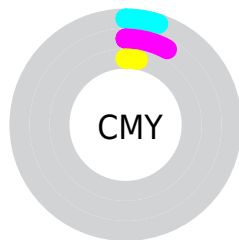
- Red (95%)
- Green (92%)
- Blue (97%)



- Red (95%)
- Yellow (92%)
- Blue (97%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (5%)
- Magenta (8%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4869, 84.2618, 99.9123 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 82.4869, 84.2618, 99.9123 by changing the saturation by 10% instead.



82.4869, 84.2618,  
99.9123

82.4869, 84.2618,  
99.9123

491.8847,  
509.1822, 581.1557

62.0824, 63.2316,  
75.6108

135.7889,  
139.3413, 163.0875

45.3552, 46.0286,  
55.6087

169.4171,  
174.1595, 202.7983

31.9397, 32.2684,  
39.4874

208.1839,  
214.3424, 248.4826

21.4708, 21.5666,  
26.8284

252.4547,  
260.2744, 300.5589

13.5830, 13.5388,  
17.2131

302.5948,  
312.3401, 359.4459

7.9110, 7.8006,  
10.2230

358.9696,

4.0894, 3.9676,

370.9236, 425.5620

5.4395

421.9445,  
436.4095, 499.3258

■ 1.7528, 1.6555,  
2.4442

■ 0.4890, 0.3946,  
0.8103

■ 82.4869, 84.2618,  
99.9123

■ 82.4869, 84.2618,  
99.9123

■ 72.1685, 69.2230,  
97.5546

■ 92.8405, 99.0067,  
102.2139

■ 63.0268, 56.1839,  
95.5197

■ 93.7887, 99.4955,  
102.2583

■ 55.0168, 45.0595,  
93.7946

■ 48.0871, 35.7544,  
92.3638

■ 42.1825, 28.1649,  
91.2101

■ 37.2417, 22.1763,  
90.3145

■ 33.1965, 17.6595,  
89.6559

■ 29.9677, 14.4643,  
89.2094

■ 27.4590, 12.4061,  
88.9443

# Harmonies

## Analogous

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



80.7618, 84.2618, 102.4074



82.4869, 84.2618, 99.9123



83.5800, 84.2618, 95.2613

# Triad

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



82.4869, 84.2618, 99.9123



81.3063, 84.2618, 82.2377



76.5547, 84.2618, 93.6836

# Complementary

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



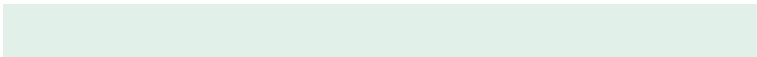
82.4869, 84.2618, 99.9123



84.0504, 90.9896, 90.9790

# 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.



76.6953, 84.2618, 88.3198



82.4869, 84.2618, 99.9123



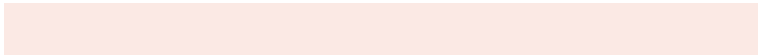
79.4186, 84.2618, 81.8529

# Square

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



82.4869, 84.2618, 99.9123



82.8909, 84.2618, 85.1116



77.7367, 84.2618, 84.0387



77.3496, 84.2618, 98.7182

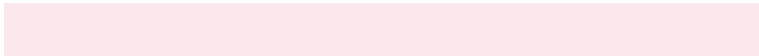


# Rectangle

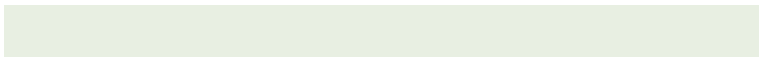
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



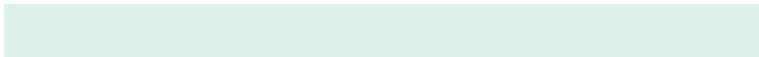
82.4869, 84.2618, 99.9123



83.7930, 84.2618, 91.6365



77.7367, 84.2618, 84.0387



76.4945, 84.2618, 91.8571

# Sweetspot

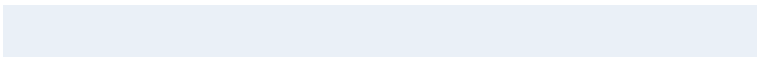
The Sweet Spot groups the original color and five complimentary colors.



82.4893, 84.2654, 99.9141



92.5836, 96.3452, 108.3246



81.9031, 86.5705, 100.3900



19.8426, 20.6601, 23.1919



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.



82.4893, 84.2654, 99.9141



87.8106, 89.3085, 107.2179



84.5047, 85.3121, 99.6599



17.0678, 17.2946, 20.9812



14.1574, 6.2727, 47.0026

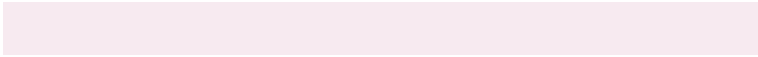


1.3628, 0.6124, 4.1366



# Inverse Universe

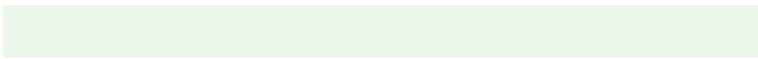
The Inverse Universe completely reimagines the original color for something new.



83.5118, 84.9149, 94.4312



89.0639, 90.1045, 100.5024



82.1092, 89.9816, 91.2135



17.3386, 17.4666, 19.5310



21.9636, 11.1289, 9.7824

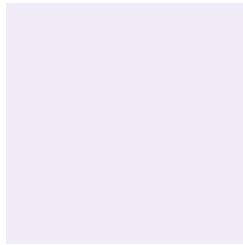


1.9817, 0.9986, 1.1299



# Previews

## White Background



This preview shows how the XYZ color 82.4869, 84.2618, 99.9123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

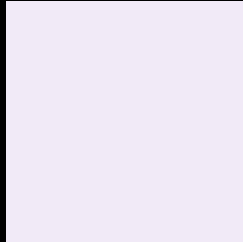
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.4869, 84.2618, 99.9123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

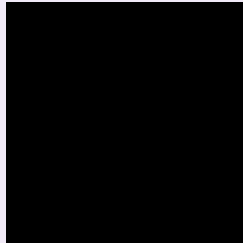
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

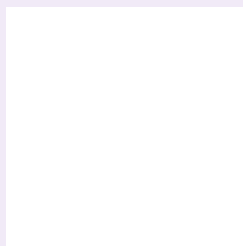
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.4869, 84.2618, 99.9123**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.4869, 84.2618, 99.9123.



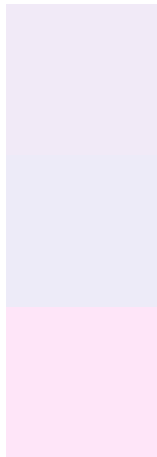
This preview shows how white text looks on a background with the XYZ color 82.4869, 84.2618,

99.9 23.

# 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

82.4869, 84.2618, 99.9123

### Protanopia

81.5767, 84.1985, 100.7593

### Deuteranopia

85.8356, 83.8868, 100.4747



## Tritanopia

83.3276, 84.1833, 103.9526

# Trichromacy



## Original Color

82.4869, 84.2618, 99.9123

## Protanomaly

81.9115, 84.3711, 100.7750

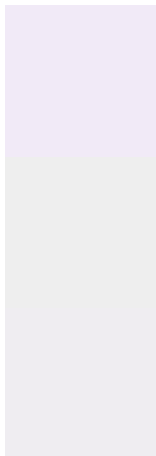
## Deuteranomaly

84.5861, 84.0689, 100.5757

## Tritanomaly

83.0122, 84.0572, 102.2919

# Monochromacy



## Original Color

82.4869, 84.2618, 99.9123

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.7580, 85.2700, 95.3687

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.4869, 84.2618, 99.9123 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, 234, 247) looks like.

```
.text, #text, p{  
    color:rgb(241, 234, 247)  
}
```

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, 234, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 234, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 82.4869, 84.2618, 99.9123 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, 234, 247) }
```



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

```
.border{ border-color:rgb(241, 234, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 234, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 234, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 234, 247);  
box-shadow:4px 4px 4px 4px rgb(241, 234,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.4869, 84.2618, 99.9123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 234, 247) }
```

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

```
.background{ background-color: rgb(241,  
234, 247) }
```

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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