

# Converting Colors

XYZ(82.4038, 84.6069,  
101.6102)

Have a look what the booklet for  
XYZ(82.4038, 84.6069, 101.6102)  
contains.

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# **Color**

**XYZ(82.4038, 84.6069,  
101.6102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEBF9
RGB	239, 235, 249
RGB Percent	94%, 92%, 98%
CMY	0.0627, 0.0784, 0.0235
CMYK	0.04, 0.06, 0.00, 0.02
HSL	257°, 54%, 95%
HSV	257°, 6%, 98%
XYZ	82.4038, 84.6069, 101.6102
YIQ	237.7920, -2.1100, 5.2020

# Conversions

## Conversions Part 2

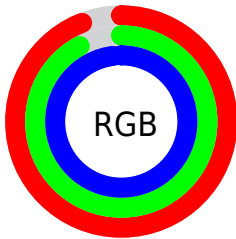
Format	Color
R <sub>Y</sub> B	239, 235, 249
Decimal	15723513
CIE Lab	93.71, 3.86, -6.28
CIE LCh	94, 7.376, 301.593
Yxy	84.6069, 0.3068, 0.3150
Android (android.graphics.Color)	4293913593 (0xFFEFEBF9)
YUV	237.7920, 5.5255, 1.0594
Hunter-Lab	91.9820, -1.0560, -1.1088

# Details

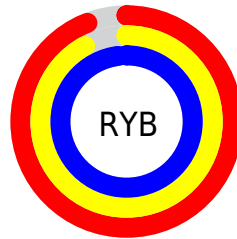
The XYZ color **82.4038, 84.6069, 101.6102** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.5304, 93.1643, 92.0233**, and the grayscale version is **81.0690, 85.2909, 92.8818**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2742, 46.1577, 56.9752** is the 20% darker color. If you saturate the color by 10%, you get **70.0549, 68.3902, 99.1322**, and if you desaturate by 10%, it is **94.0991, 99.6197, 103.8928**.

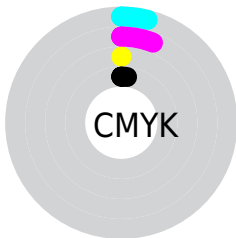
# Distribution



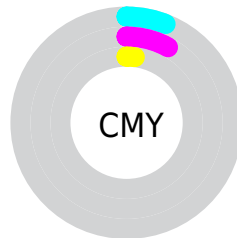
- Red (94%)
- Green (92%)
- Blue (98%)



- Red (94%)
- Yellow (92%)
- Blue (98%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (6%)
- Magenta (8%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4038, 84.6069, 101.6102 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 82.4038, 84.6069, 101.6102 by changing the saturation by 10% instead.



82.4038, 84.6069,  
101.6102

82.4038, 84.6069,  
101.6102

491.6114,  
510.3264, 586.6336

62.0137, 63.5166,  
77.0216

135.6730,  
139.8238, 165.4393

45.2994, 46.2593,  
56.7589

169.2828,  
174.7193, 205.5170

31.8956, 32.4505,  
40.4037

208.0298,  
214.9852, 251.5947

21.4369, 21.7058,  
27.5372

252.2795,  
261.0061, 304.0910

13.5580, 13.6409,  
17.7411

302.3971,  
313.1662, 363.4246

7.8936, 7.8713,  
10.5968

358.7481,

4.0781, 4.0127,

371.8501, 430.0138

5.6856

421.6977,  
437.4420, 504.2773

■ 1.7464, 1.6807,  
2.5892

■ 0.4851, 0.4111,  
0.8869

■ 82.4038, 84.6069,  
101.6102

■ 82.4038, 84.6069,  
101.6102

■ 70.0549, 68.3902,  
99.1322

■ 94.0991, 99.6197,  
103.8928

■ 59.2344, 54.3792,  
96.9981

■ 49.8829, 42.4800,  
95.1942

■ 41.9341, 32.5881,  
93.7038

■ 35.3164, 24.5894,  
92.5087

■ 29.9517, 18.3587,  
91.5888

■ 25.7527, 13.7546,  
90.9214

■ 22.6196, 10.6133,  
90.4803

■ 20.4328, 8.7342,  
90.2328

# Harmonies

## Analogous

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



80.5210, 84.6069, 103.3203



82.4038, 84.6069, 101.6102



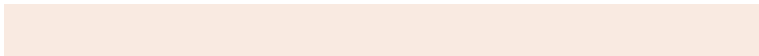
83.7717, 84.6069, 97.3450

# Triad

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



82.4038, 84.6069, 101.6102



82.2197, 84.6069, 82.9649



76.7132, 84.6069, 92.4225

# Complementary

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



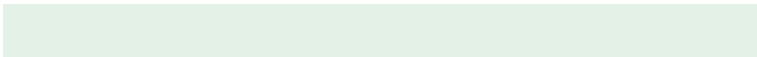
82.4038, 84.6069, 101.6102



86.5304, 93.1643, 92.0233

# Split Complementary

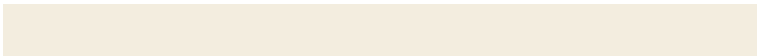
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1517, 84.6069, 87.0903



82.4038, 84.6069, 101.6102



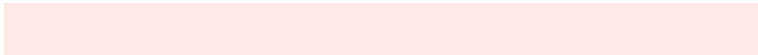
80.3117, 84.6069, 81.7645

# Square

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



82.4038, 84.6069, 101.6102



83.6643, 84.6069, 86.5913



78.4611, 84.6069, 83.2446



77.2535, 84.6069, 97.8844



# Rectangle

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



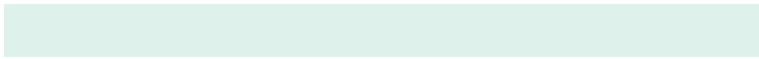
82.4038, 84.6069, 101.6102



84.1965, 84.6069, 93.7071



78.4611, 84.6069, 83.2446



76.7510, 84.6069, 90.5560

# Sweetspot

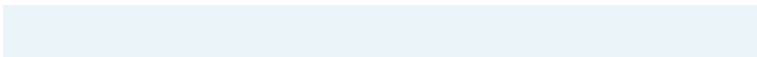
The Sweet Spot groups the original color and five complimentary colors.



82.4063, 84.6105, 101.6121



92.1166, 96.1045, 108.3027



84.0252, 89.8294, 102.5341



19.7475, 20.6111, 23.1875



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

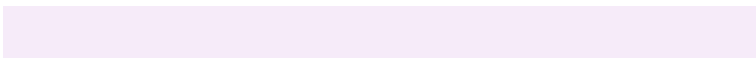
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4063, 84.6105, 101.6121



85.0803, 86.7962, 106.8769



84.8043, 85.8467, 101.7243



17.2691, 17.5685, 21.8662



10.6676, 4.4420, 48.2687



1.0874, 0.4627, 4.4752



# Inverse Universe

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



85.2597, 86.1528, 98.5260



88.8078, 88.8113, 102.8247



84.1450, 91.9346, 91.9117



18.0944, 18.0147, 20.9670



25.2725, 12.5247, 23.9412

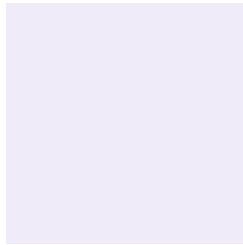


2.3863, 1.1783, 2.4576



# Previews

## White Background



This preview shows how the XYZ color 82.4038, 84.6069, 101.6102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

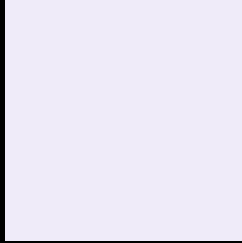
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.4038, 84.6069, 101.6102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

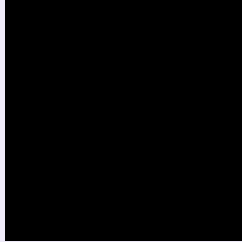
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

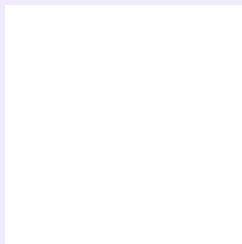
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.4038, 84.6069, 101.6102

## Background



This preview shows how black text looks on a background with the XYZ color 82.4038, 84.6069, 101.6102.



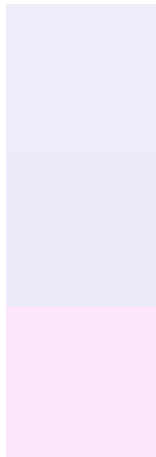
This preview shows how white text looks on a background with the XYZ color 82.4038, 84.6069,

101.6102.

# 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

82.4038, 84.6069, 101.6102

### Protanopia

81.7323, 84.2607, 101.5787

### Deuteranopia

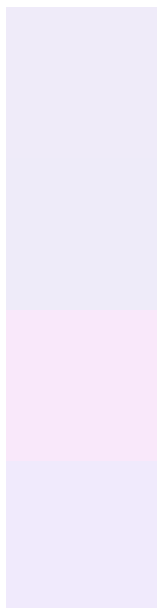
86.4252, 84.5666, 102.2104



## Tritanopia

83.0876, 84.4628, 104.8523

# Trichromacy



## Original Color

82.4038, 84.6069, 101.6102

## Protanomaly

82.0671, 84.4334, 101.5944

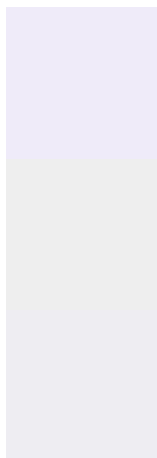
## Deuteranomaly

85.1789, 84.7551, 102.3124

## Tritanomaly

82.9287, 84.3992, 104.0153

# Monochromacy



## Original Color

82.4038, 84.6069, 101.6102

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.5711, 85.1563, 96.1420

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.4038, 84.6069, 101.6102 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(239, 235, 249) looks like.

```
.text, #text, p{  
    color:rgb(239, 235, 249)  
}
```

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(239, 235, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 235, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 82.4038, 84.6069, 101.6102 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(239, 235, 249) }
```



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

```
.border{ border-color:rgb(239, 235, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 235, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 235, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 235, 249);  
box-shadow:4px 4px 4px 4px rgb(239, 235,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.4038, 84.6069, 101.6102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 235, 249) }
```

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

```
.background{ background-color: rgb(239,  
235, 249) }
```

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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