

# Converting Colors

XYZ(83.8001, 81.9942,  
101.6122)

Have a look what the booklet for  
XYZ(83.8001, 81.9942, 101.6122)  
contains.

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# Color

**XYZ(83.7913, 81.9800,  
101.8499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9E3FA
RGB	249, 227, 250
RGB Percent	98%, 89%, 98%
CMY	0.0235, 0.1098, 0.0196
CMYK	0.00, 0.09, 0.00, 0.02
HSL	297°, 70%, 94%
HSV	297°, 9%, 98%
XYZ	83.7913, 81.9800, 101.8499
YIQ	236.2000, 5.7290, 11.8170

# Conversions

## Conversions Part 2

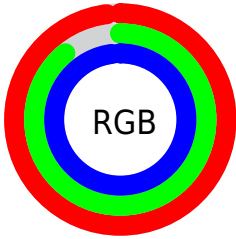
Format	Color
R <sub>Y</sub> B	249, 227, 250
Decimal	16376826
CIE Lab	92.57, 11.47, -8.41
CIE LCh	93, 14.227, 323.738
Yxy	81.9800, 0.3131, 0.3063
Android (android.graphics.Color)	4294566906 (0xFFFF9E3FA)
YUV	236.2000, 6.8034, 11.2256
Hunter-Lab	90.5428, 6.7399, -3.3142

# Details

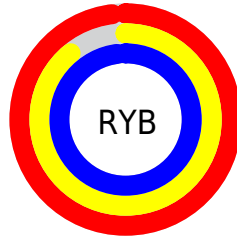
The XYZ color **83.7913, 81.9800, 101.8499** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0486, 90.4134, 85.9097**, and the grayscale version is **79.8304, 83.9878, 91.4628**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4824, 44.7375, 57.2243** is the 20% darker color. If you saturate the color by 10%, you get **77.0585, 69.0867, 99.7173**, and if you desaturate by 10%, it is **91.5239, 96.8671, 104.3171**.

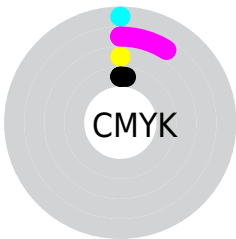
# Distribution



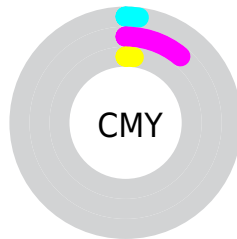
- Red (98%)
- Green (89%)
- Blue (98%)



- Red (98%)
- Yellow (89%)
- Blue (98%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (2%)
- Magenta (11%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7913, 81.9800, 101.8499 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 83.7913, 81.9800, 101.8499 by changing the saturation by 10% instead.



83.7913, 81.9800,  
101.8499

83.7913, 81.9800,  
101.8499

496.1641,  
501.5808, 587.4047

63.1623, 61.3490,  
77.2209

137.6060,  
136.1460, 165.7710

46.2316, 44.5069,  
56.9215

171.5223,  
170.4497, 205.9003

32.6340, 31.0692,  
40.5333

210.5985,  
210.0799, 252.0333

22.0041, 20.6516,  
27.6377

255.1998,  
255.4209, 304.5887

13.9766, 12.8696,  
17.8160

305.6917,  
306.8571, 363.9850

8.1860, 7.3388,  
10.6499

362.4395,

4.2670, 3.6749,

364.7729, 430.6408

5.7208

425.8085,  
429.5527, 504.9745

■ 1.8543, 1.4934,  
2.6100

■ 0.5500, 0.2841,  
0.8976

■ 83.7913, 81.9800,  
101.8499

■ 83.7913, 81.9800,  
101.8499

■ 77.0585, 69.0867,  
99.7173

■ 91.5239, 96.8671,  
104.3171

■ 71.2758, 58.0915,  
97.8998

■ 92.8625, 98.9641,  
104.6513

■ 66.3998, 48.9064,  
96.3839

■ 93.2556, 99.1667,  
104.6697

■ 62.3811, 41.4325,  
95.1531

■ 93.6509, 99.3705,  
104.6882

■ 59.1655, 35.5616,  
94.1894

■ 94.0485, 99.5755,  
104.7068

■ 56.6926, 31.1729,  
93.4726

■ 94.2555, 99.6822,  
104.7165

■ 54.8936, 28.1286,  
92.9798

■ 53.6867, 26.2651,  
92.6838

■ 52.9479, 25.3346,  
92.5431

# Harmonies

## Analogous

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



80.8154, 81.9800, 109.2194



83.7913, 81.9800, 101.8499



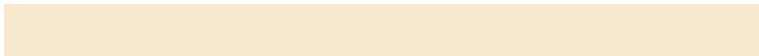
85.1993, 81.9800, 91.5009

# Triad

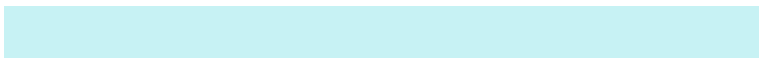
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7913, 81.9800, 101.8499



78.6973, 81.9800, 70.5210



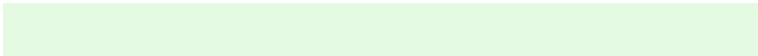
71.5935, 81.9800, 97.7085

# Complementary

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



83.7913, 81.9800, 101.8499



80.0486, 90.4134, 85.9097

# 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.



71.0667, 81.9800, 87.0605



83.7913, 81.9800, 101.8499



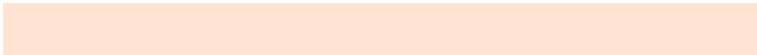
75.0937, 81.9800, 71.8976

# Square

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



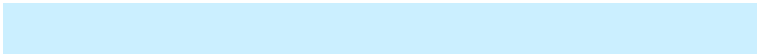
83.7913, 81.9800, 101.8499



82.1990, 81.9800, 73.8367



72.3287, 81.9800, 77.7570



73.7912, 81.9800, 106.6993

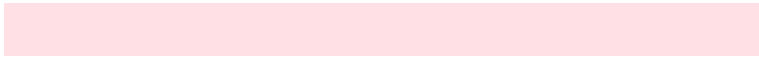


# Rectangle

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



83.7913, 81.9800, 101.8499



85.0287, 81.9800, 84.5157



72.3287, 81.9800, 77.7570



71.2181, 81.9800, 94.1833

# Sweetspot

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



83.7937, 81.9835, 101.8517



92.5356, 95.1528, 108.0969



76.7221, 78.8064, 101.6111



19.6661, 20.0963, 23.0924



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.



83.7937, 81.9835, 101.8517



86.2981, 83.1602, 106.1109



82.5722, 81.5362, 93.5544



17.9141, 17.4839, 21.8158



28.0908, 13.4240, 49.0841



2.6241, 1.2549, 4.5471



# Inverse Universe

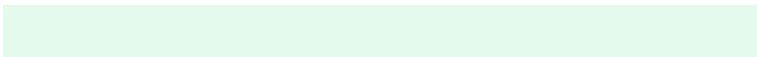
The Inverse Universe completely reimagines the original color for something new.



80.8999, 80.8673, 84.7479



82.7226, 81.7817, 84.9478



81.2042, 90.8391, 93.6458



17.2752, 17.2374, 18.0389



20.9569, 10.7985, 1.2154

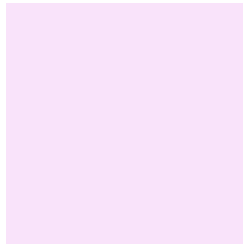


1.9514, 1.0043, 0.1674



# Previews

## White Background



This preview shows how the XYZ color 83.7913, 81.9800, 101.8499 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

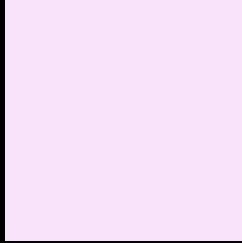
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7913, 81.9800, 101.8499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

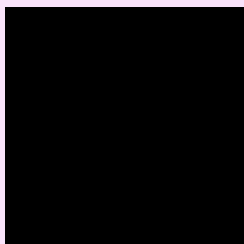
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

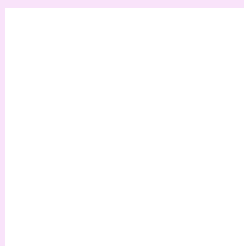
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.7913, 81.9800, 101.8499

## Background



This preview shows how black text looks on a background with the XYZ color 83.7913, 81.9800, 101.8499.



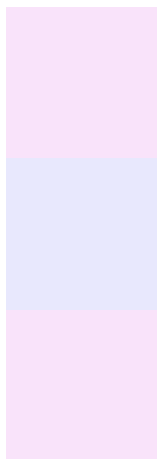
This preview shows how white text looks on a background with the XYZ color 83.7913, 81.9800,

101.8499.

# 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

83.7913, 81.9800, 101.8499

### Protanopia

79.8649, 81.9609, 104.5392

### Deuteranopia

83.7913, 81.9800, 101.8499



## Tritanopia

83.0894, 82.0971, 98.6558

# Trichromacy



## Original Color

83.7913, 81.9800, 101.8499

## Protanomaly

81.1274, 81.7990, 103.6084

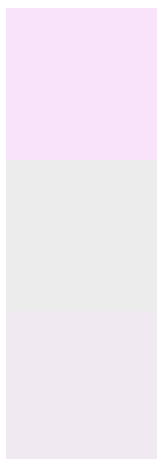
## Deuteranomaly

83.7913, 81.9800, 101.8499

## Tritanomaly

83.2433, 82.1587, 99.4665

# Monochromacy



## Original Color

83.7913, 81.9800, 101.8499

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

81.2917, 83.3295, 95.0188

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7913, 81.9800, 101.8499 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(249, 227, 250)` looks like.

```
.text, #text, p{  
    color:rgb(249, 227, 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(249, 227, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 227, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7913, 81.9800, 101.8499 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(249, 227, 250) }
```



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

```
.border{ border-color:rgb(249, 227, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 227, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 227, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 227, 250);  
box-shadow:4px 4px 4px 4px rgb(249, 227,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7913, 81.9800, 101.8499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 227, 250) }
```

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

```
.background{ background-color: rgb(249,  
227, 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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