

# Converting Colors

XYZ(82.0450, 82.2482,  
103.2013)

Have a look what the booklet for  
XYZ(82.0450, 82.2482, 103.2013)  
contains.

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# **Color**

**XYZ(81.9850, 82.2594,  
102.8234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1E6FB
RGB	241, 230, 251
RGB Percent	95%, 90%, 98%
CMY	0.0549, 0.0980, 0.0157
CMYK	0.04, 0.08, 0.00, 0.02
HSL	271°, 72%, 94%
HSV	271°, 8%, 98%
XYZ	81.9850, 82.2594, 102.8234
YIQ	235.6830, -0.1850, 8.8630

# Conversions

## Conversions Part 2

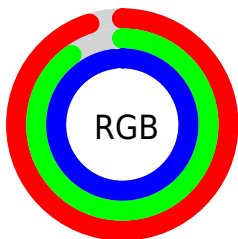
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 230, 251
Decimal	15853307
CIE Lab	92.69, 7.47, -8.82
CIE LCh	93, 11.561, 310.251
Yxy	82.2594, 0.3070, 0.3080
Android (android.graphics.Color)	4294043387 (0xFFFF1E6FB)
YUV	235.6830, 7.5513, 4.6630
Hunter-Lab	90.6970, 2.6343, -3.7294

# Details

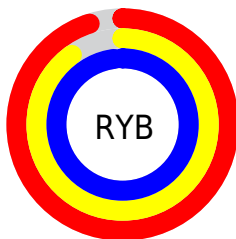
The XYZ color **81.9850, 82.2594, 102.8234** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.7184, 93.2350, 88.3980**, and the grayscale version is **79.4327, 83.5694, 91.0071**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0752, 44.8693, 57.3239** is the 20% darker color. If you saturate the color by 10%, you get **71.5497, 67.2483, 100.4772**, and if you desaturate by 10%, it is **93.6649, 99.3596, 105.5097**.

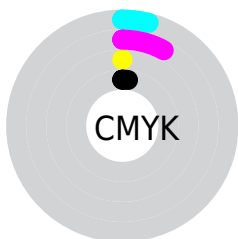
# Distribution



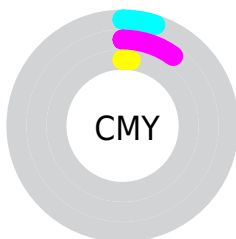
- Red (95%)
- Green (90%)
- Blue (98%)



- Red (95%)
- Yellow (90%)
- Blue (98%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (5%)
- Magenta (10%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9850, 82.2594, 102.8234 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 81.9850, 82.2594, 102.8234 by changing the saturation by 10% instead.



81.9850, 82.2594,  
102.8234

81.9850, 82.2594,  
102.8234

490.2328,  
502.5150, 590.5311

61.6672, 61.5794,  
78.0306

135.0889,  
136.5377, 167.1174

45.0185, 44.6929,  
57.5825

168.6057,  
170.9048, 207.4557

31.6733, 31.2156,  
41.0606

207.2530,  
210.6030, 253.8129

21.2664, 20.7631,  
28.0464

251.3960,  
256.0167, 306.6075

13.4325, 12.9509,  
18.1213

301.4001,  
307.5304, 366.2581

7.8061, 7.3948,  
10.8668

357.6307,

4.0219, 3.7102,

365.5284, 433.1832

5.8643

420.4532,  
430.3951, 507.8014

■ 1.7145, 1.5128,  
2.6953

■ 0.4653, 0.2977,  
0.9410

■ 81.9850, 82.2594,  
102.8234

■ 81.9850, 82.2594,  
102.8234

■ 71.5497, 67.2483,  
100.4772

■ 93.6649, 99.3596,  
105.5097

■ 62.3377, 54.2950,  
98.4625

■ 94.4128, 99.7451,  
105.5447

■ 54.3002, 43.3086,  
96.7655

■ 47.3822, 34.1871,  
95.3695

■ 41.5240, 26.8192,  
94.2561

■ 36.6593, 21.0811,  
93.4050

■ 32.7135, 16.8323,  
92.7928

■ 29.5989, 13.9070,  
92.3923

■ 27.1954, 12.0743,  
92.1653

# Harmonies

## Analogous

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



79.2197, 82.2594, 106.8891



81.9850, 82.2594, 102.8234



83.7603, 82.2594, 95.2854

# Triad

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



81.9850, 82.2594, 102.8234



80.1573, 82.2594, 74.8530



72.6265, 82.2594, 92.5491

# Complementary

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



81.9850, 82.2594, 102.8234



84.7184, 93.2350, 88.3980

# Split Complementary

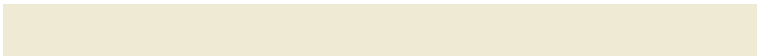
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8629, 82.2594, 84.0811



81.9850, 82.2594, 102.8234



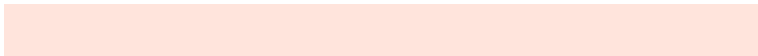
77.1595, 82.2594, 74.2245

# Square

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



81.9850, 82.2594, 102.8234



82.6865, 82.2594, 79.2768



74.5045, 82.2594, 77.5010



73.8501, 82.2594, 100.7101



# Rectangle

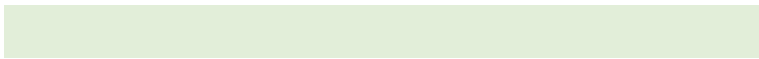
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



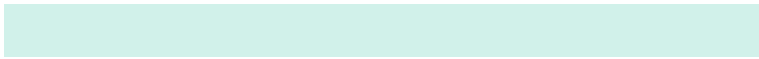
81.9850, 82.2594, 102.8234



84.1172, 82.2594, 89.4939



74.5045, 82.2594, 77.5010



72.5386, 82.2594, 89.6392

# Sweetspot

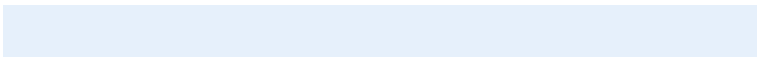
The Sweet Spot groups the original color and five complimentary colors.



81.9874, 82.2629, 102.8252



91.3301, 94.5313, 108.0405



81.2531, 86.1997, 103.6238



19.3400, 19.9282, 23.0771



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.



81.9874, 82.2629, 102.8252



83.1200, 82.5646, 106.1634



85.4403, 84.0493, 102.6991



17.1506, 17.0903, 21.7801



14.2796, 6.3041, 48.4377



1.4450, 0.6470, 4.4919



# Inverse Universe

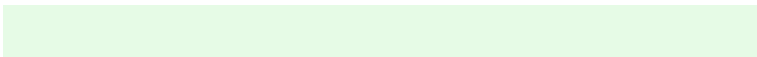
The Inverse Universe completely reimagines the original color for something new.



83.8115, 83.3978, 94.1223



85.3716, 83.9652, 95.4324



81.4655, 91.5524, 88.5026



17.5889, 17.3629, 19.6907



22.7519, 11.5165, 10.6681

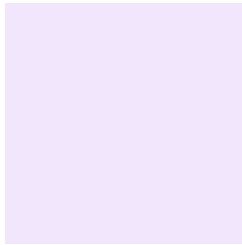


2.1604, 1.0879, 1.2681



# Previews

## White Background



This preview shows how the XYZ color 81.9850, 82.2594, 102.8234 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

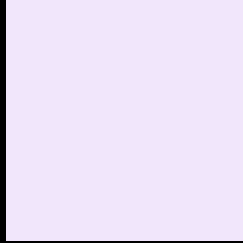
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9850, 82.2594, 102.8234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

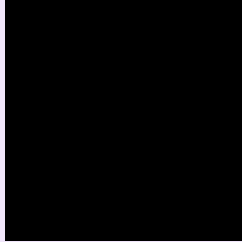
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.9850, 82.2594, 102.8234

## Background



This preview shows how black text looks on a background with the XYZ color 81.9850, 82.2594, 102.8234.



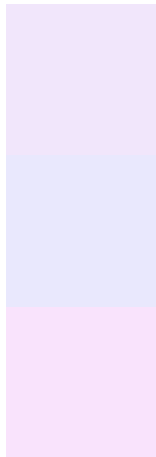
This preview shows how white text looks on a background with the XYZ color 81.9850, 82.2594,

102.8234.

# 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

81.9850, 82.2594, 102.8234

### Protanopia

80.1905, 82.1287, 104.5544

### Deuteranopia

84.1067, 82.1062, 103.5106



## Tritanopia

81.6713, 82.1340, 101.1714

# Trichromacy



## Original Color

81.9850, 82.2594, 102.8234

## Protanomaly

80.7387, 82.0130, 103.6702

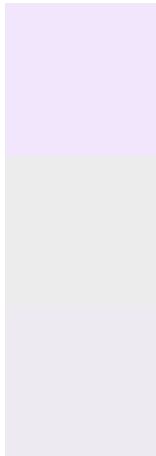
## Deuteranomaly

83.3201, 82.1079, 103.5524

## Tritanomaly

81.8278, 82.1965, 101.9952

# Monochromacy



## Original Color

81.9850, 82.2594, 102.8234

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.5599, 83.3737, 95.0659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9850, 82.2594, 102.8234 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, 230, 251)` looks like.

```
.text, #text, p{  
    color:rgb(241, 230, 251)  
}
```

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, 230, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 230, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9850, 82.2594, 102.8234 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, 230, 251) }
```



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

```
.border{ border-color:rgb(241, 230, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 230, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 230, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 230, 251);  
box-shadow:4px 4px 4px 4px rgb(241, 230,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9850, 82.2594, 102.8234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 230, 251) }
```

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

```
.background{ background-color: rgb(241,  
230, 251) }
```

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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