

# Converting Colors

XYZ(84.6881, 82.3417,  
103.5268)

Have a look what the booklet for  
XYZ(84.6881, 82.3417, 103.5268)  
contains.

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# Color

**XYZ(84.8234, 82.4757,  
103.5442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBE3FC
RGB	251, 227, 252
RGB Percent	98%, 89%, 99%
CMY	0.0157, 0.1098, 0.0118
CMYK	0.00, 0.10, 0.00, 0.01
HSL	298°, 81%, 94%
HSV	298°, 10%, 99%
XYZ	84.8234, 82.4757, 103.5442
YIQ	237.0260, 6.2790, 12.8630

# Conversions

## Conversions Part 2

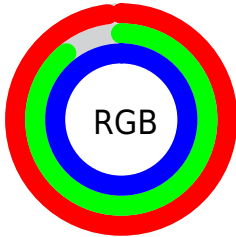
Format	Color
<b>R<sub>YB</sub></b>	251, 227, 252
Decimal	16507900
CIE <sub>Lab</sub>	92.78, 12.49, -9.12
CIE <sub>LCh</sub>	93, 15.464, 323.873
Yxy	82.4757, 0.3132, 0.3045
Android (android.graphics.Color)	4294697980 (0xFFFFBE3FC)
YUV	237.0260, 7.3822, 12.2552
Hunter-Lab	90.8161, 7.7930, -4.0283

# Details

The XYZ color **84.8234, 82.4757, 103.5442** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.6736, 91.6631, 86.1181**, and the grayscale version is **80.4600, 84.6501, 92.1840**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8510, 44.9145, 57.8298** is the 20% darker color. If you saturate the color by 10%, you get **78.0678, 69.5011, 101.3971**, and if you desaturate by 10%, it is **92.5945, 97.4759, 106.0312**.

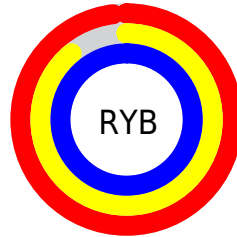
# Distribution



Red (98%)

Green (89%)

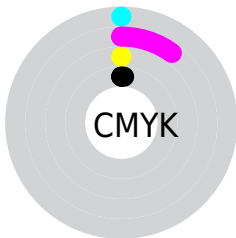
Blue (99%)



Red (98%)

Yellow (89%)

Blue (99%)

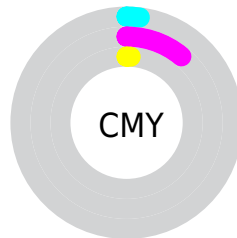


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (1%)



Cyan (2%)

Magenta (11%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8234, 82.4757, 103.5442 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 84.8234, 82.4757, 103.5442 by changing the saturation by 10% instead.



84.8234, 82.4757,  
103.5442

84.8234, 82.4757,  
103.5442

499.5360,  
503.2375, 592.8404

64.0175, 61.7577,  
78.6304

139.0417,  
136.8409, 168.1135

46.9266, 44.8370,  
58.0725

173.1848,  
171.2569, 208.6060

33.1853, 31.3290,  
41.4518

212.5043,  
211.0077, 255.1286

22.4284, 20.8495,  
28.3499

257.3657,  
256.4777, 308.0997

14.2903, 13.0141,  
18.3483

308.1341,  
308.0513, 367.9379

8.4059, 7.4382,  
11.0283

365.1751,

4.4098, 3.7376,

366.1128, 435.0617

5.9715

428.8540,  
431.0468, 509.8897

■ 1.9365, 1.5279,  
2.7592

■ 0.5979, 0.3083,  
0.9730

■ 84.8234, 82.4757,  
103.5442

■ 84.8234, 82.4757,  
103.5442

■ 78.0678, 69.5011,  
101.3971

■ 92.5945, 97.4759,  
106.0312

■ 72.2769, 58.4541,  
99.5701

■ 93.8454, 99.4344,  
106.3433

■ 67.4061, 49.2446,  
98.0492

■ 94.2135, 99.6241,  
106.3605

■ 63.4048, 41.7711,  
96.8175

■ 94.5709, 99.8084,  
106.3772

■ 60.2173, 35.9224,  
95.8566

■ 57.7815, 31.5743,  
95.1457

■ 56.0264, 28.5847,  
94.6612

■ 54.8673, 26.7844,  
94.3748

■ 54.1663, 25.8973,  
94.2405

# Harmonies

## Analogous

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



81.5716, 82.4757, 111.6831



84.8234, 82.4757, 103.5442



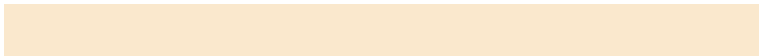
86.3577, 82.4757, 92.1935

# Triad

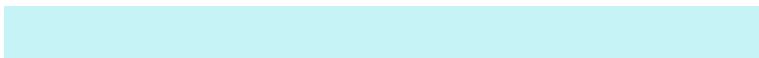
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8234, 82.4757, 103.5442



79.2213, 82.4757, 69.4782



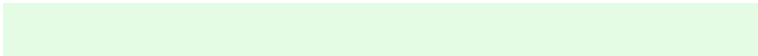
71.5103, 82.4757, 99.0947

# Complementary

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



84.8234, 82.4757, 103.5442



80.6736, 91.6631, 86.1181

# 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.



70.9294, 82.4757, 87.4523



84.8234, 82.4757, 103.5442



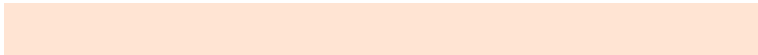
75.2935, 82.4757, 70.9836

# Square

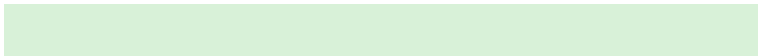
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8234, 82.4757, 103.5442



83.0527, 82.4757, 73.0295



72.2917, 82.4757, 77.3329



73.9065, 82.4757, 108.9640



# Rectangle

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



84.8234, 82.4757, 103.5442



86.1637, 82.4757, 84.5808



72.2917, 82.4757, 77.3329



71.0998, 82.4757, 95.2339

# Sweetspot

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



84.8258, 82.4793, 103.5460



92.5454, 95.1578, 108.0974



77.0651, 78.9878, 103.2811



19.6687, 20.0977, 23.0925



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.



84.8258, 82.4793, 103.5460



85.6043, 81.7751, 105.8801



83.4565, 81.9733, 94.4499



17.9204, 17.4871, 21.8161



28.2442, 13.5031, 49.0913



2.6366, 1.2613, 4.5477



# Inverse Universe

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



81.6205, 81.2389, 84.7819



81.6792, 80.2570, 82.8676



81.9612, 92.1416, 94.5499



17.2727, 17.2365, 18.0261



20.9533, 10.7970, 1.1965

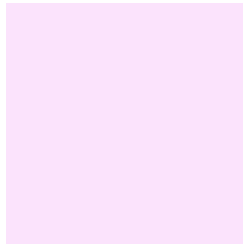


1.9502, 1.0038, 0.1613



# Previews

## White Background



This preview shows how the XYZ color 84.8234, 82.4757, 103.5442 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 84.8234, 82.4757, 103.5442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

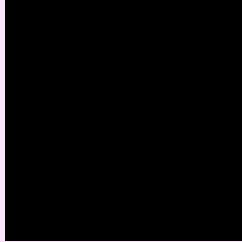
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.8234, 82.4757, 103.5442

## Background



This preview shows how black text looks on a background with the XYZ color 84.8234, 82.4757, 103.5442.



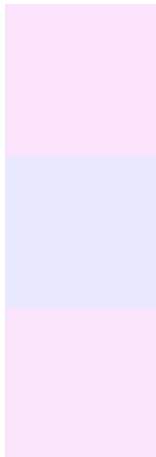
This preview shows how white text looks on a background with the XYZ color 84.8234, 82.4757,

103.5442.

# 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

84.8234, 82.4757, 103.5442

### Protanopia

80.4676, 82.6536, 106.3204

### Deuteranopia

84.3810, 82.6548, 103.6021



## Tritanopia

83.8023, 82.4646, 98.6892

# Trichromacy



## Original Color

84.8234, 82.4757, 103.5442

## Protanomaly

82.0619, 82.6583, 105.3955

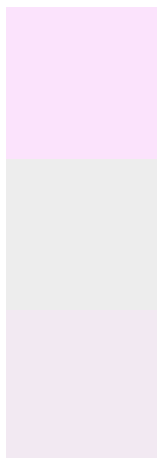
## Deuteranomaly

84.7384, 82.8391, 103.6188

## Tritanomaly

84.1110, 82.5881, 100.3149

# Monochromacy



## Original Color

84.8234, 82.4757, 103.5442

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.7839, 83.5659, 95.8238

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8234, 82.4757, 103.5442 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(251, 227, 252)` looks like.

```
.text, #text, p{  
    color:rgb(251, 227, 252)  
}
```

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(251, 227, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 227, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8234, 82.4757, 103.5442 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(251, 227, 252) }
```



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

```
.border{ border-color:rgb(251, 227, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 227, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 227, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 227, 252);  
box-shadow:4px 4px 4px 4px rgb(251, 227,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8234, 82.4757, 103.5442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 227, 252) }
```

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

```
.background{ background-color: rgb(251,  
227, 252) }
```

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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