

# Converting Colors

XYZ(122.9408, 100.0000,  
101.0965)

Have a look what the booklet for  
XYZ(122.9408, 100.0000, 101.0965)  
contains.

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# Color

**XYZ(83.8850, 79.6883,  
98.9559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDF7
RGB	255, 221, 247
RGB Percent	100%, 87%, 97%
CMY	0.0000, 0.1333, 0.0314
CMYK	0.00, 0.13, 0.03, 0.00
HSL	314°, 100%, 93%
HSV	314°, 13%, 100%
XYZ	83.8850, 79.6883, 98.9559
YIQ	234.1300, 11.9180, 15.2940

# Conversions

## Conversions Part 2

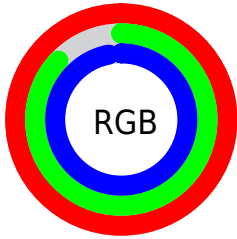
Format	Color
R <sub>YB</sub>	255, 221, 247
Decimal	16768503
CIE Lab	91.54, 16.05, -8.31
CIE LCh	92, 18.073, 332.643
Yxy	79.6883, 0.3195, 0.3035
Android (android.graphics.Color)	4294958583 (0xFFFFDDDF7)
YUV	234.1300, 6.3449, 18.3030
Hunter-Lab	89.2683, 11.5161, -3.2365

# Details

The XYZ color **83.8850, 79.6883, 98.9559** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.7240, 92.5504, 87.7940**, and the grayscale version is **78.2539, 82.3292, 89.6565**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3289, 43.0398, 55.1559** is the 20% darker color. If you saturate the color by 10%, you get **76.7461, 66.8682, 92.0822**, and if you desaturate by 10%, it is **92.0797, 94.5716, 106.3307**.

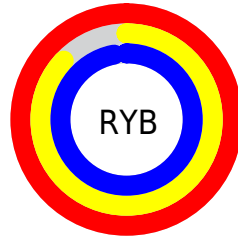
# Distribution



Red (100%)

Green (87%)

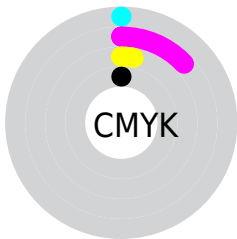
Blue (97%)



Red (100%)

Yellow (87%)

Blue (97%)

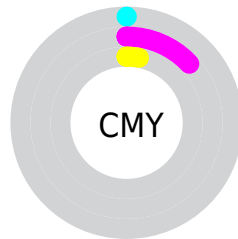


Cyan (0%)

Magenta (13%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8850, 79.6883, 98.9559 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 83.8850, 79.6883, 98.9559 by changing the saturation by 10% instead.



83.8850, 79.6883,  
98.9559

83.8850, 79.6883,  
98.9559

496.4707,  
493.8818, 578.0580

63.2399, 59.4619,  
74.8168

137.7364,  
132.9274, 161.7610

46.2947, 42.9851,  
54.9620

171.6734,  
166.7089, 201.2640

32.6840, 29.8734,  
38.9729

210.7717,  
205.7775, 246.7255

22.0426, 19.7425,  
26.4310

255.3967,  
250.5177, 298.5639

14.0050, 12.2080,  
16.9177

305.9137,  
301.3138, 357.1979

8.2058, 6.8855,  
10.0145

362.6882,

4.2799, 3.3906,

358.5503, 423.0458

5.3028

426.0854,  
422.6115, 496.5264

■ 1.8616, 1.3389,  
2.3642

■ 0.5544, 0.1710,  
0.7668

■ 83.8850, 79.6883,  
98.9559

■ 83.8850, 79.6883,  
98.9559

■ 76.7461, 66.8682,  
92.0822

■ 92.0797, 94.5716,  
106.3307

■ 70.6115, 56.0099,  
85.6879

95.0500, 100.0000,  
108.9000

■ 65.4332, 47.0173,  
79.7566

■ 61.1571, 39.7829,  
74.2689

■ 57.7235, 34.1877,  
69.2035

■ 55.0656, 30.0982,  
64.5366

■ 53.1057, 27.3599,  
60.2410

■ 51.7496, 25.7847,  
56.2837

■ 51.0904, 25.2002,  
53.8017

# Harmonies

## Analogous

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



80.6210, 79.6883, 109.9320



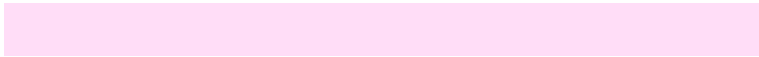
83.8850, 79.6883, 98.9559



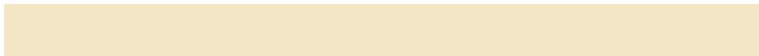
84.9399, 79.6883, 85.6024

# Triad

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



83.8850, 79.6883, 98.9559



75.3336, 79.6883, 63.8105



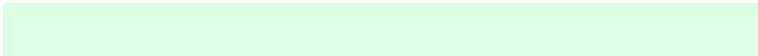
68.5240, 79.6883, 101.1843

# Complementary

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



83.8850, 79.6883, 98.9559



79.7240, 92.5504, 87.7940

# Split Complementary

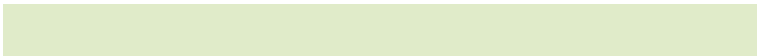
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.2321, 79.6883, 87.9422



83.8850, 79.6883, 98.9559



71.0626, 79.6883, 67.1087

# Square

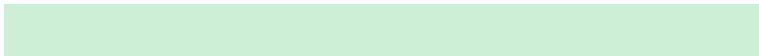
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8850, 79.6883, 98.9559



79.8857, 79.6883, 66.1278



68.1426, 79.6883, 75.6225



71.7429, 79.6883, 111.3075



# Rectangle

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



83.8850, 79.6883, 98.9559



84.2151, 79.6883, 77.3614



68.1426, 79.6883, 75.6225



67.8560, 79.6883, 96.9056

# Sweetspot

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



83.8867, 79.6915, 98.9576



91.4979, 93.5102, 105.8216



76.2012, 75.5838, 105.1806



19.4455, 19.7620, 22.5282



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.



83.8867, 79.6915, 98.9576



81.8798, 76.0715, 97.0746



81.3909, 78.6931, 85.8147



18.5991, 18.2230, 21.7721



26.7566, 13.1919, 28.4326



2.6472, 1.3013, 2.9898



# Inverse Universe

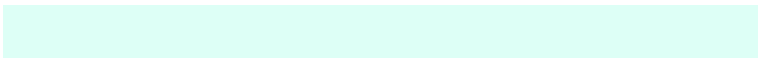
The Inverse Universe completely reimagines the original color for something new.



83.8867, 79.6915, 98.9576



81.8798, 76.0715, 97.0746



82.2051, 93.5429, 100.8593



18.5991, 18.2230, 21.7721



26.7566, 13.1919, 28.4326



2.6472, 1.3013, 2.9898



# Previews

## White Background



This preview shows how the XYZ color 83.8850, 79.6883, 98.9559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

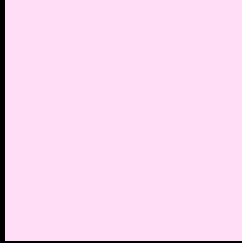
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8850, 79.6883, 98.9559 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 83.8850, 79.6883, 98.9559**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.8850, 79.6883, 98.9559.



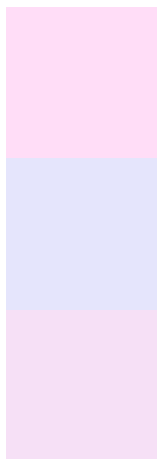
This preview shows how white text looks on a background with the XYZ color 83.8850, 79.6883,

98.9559.

# 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

83.8850, 79.6883, 98.9559

### Protanopia

77.9031, 79.7249, 103.3780

### Deuteranopia

81.2962, 79.5580, 98.2602



## Tritanopia

82.7225, 79.6047, 93.4434

# Trichromacy



## Original Color

83.8850, 79.6883, 98.9559

## Protanomaly

79.7116, 79.4720, 101.5809

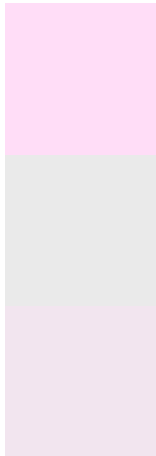
## Deuteranomaly

82.0892, 79.5689, 98.2205

## Tritanomaly

83.1720, 79.7844, 95.8103

# Monochromacy



## Original Color

83.8850, 79.6883, 98.9559

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

80.2172, 81.1479, 93.0966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8850, 79.6883, 98.9559 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(255, 221, 247) looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 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(255, 221, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8850, 79.6883, 98.9559 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(255, 221, 247) }
```



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

```
.border{ border-color:rgb(255, 221, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8850, 79.6883, 98.9559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 247) }
```

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

```
.background{ background-color: rgb(255,  
221, 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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