

# Converting Colors

XYZ(83.9692, 79.7900,  
100.4292)

Have a look what the booklet for  
XYZ(83.9692, 79.7900, 100.4292)  
contains.

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# Color

**XYZ(83.8284, 79.6233,  
100.5731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEDDF9
RGB	254, 221, 249
RGB Percent	100%, 87%, 98%
CMY	0.0039, 0.1333, 0.0235
CMYK	0.00, 0.13, 0.02, 0.00
HSL	309°, 94%, 93%
HSV	309°, 13%, 100%
XYZ	83.8284, 79.6233, 100.5731
YIQ	234.0590, 10.6800, 15.7040

# Conversions

## Conversions Part 2

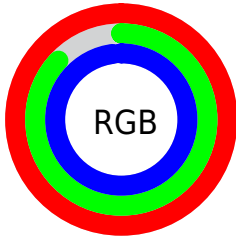
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 221, 249
Decimal	16702969
CIE <sub>Lab</sub>	91.52, 16.07, -9.41
CIE <sub>LCh</sub>	92, 18.620, 329.661
Yxy	79.6233, 0.3175, 0.3016
Android (android.graphics.Color)	4294893049 (0xFFFE <sub>DD</sub> F9)
YUV	234.0590, 7.3659, 17.4883
Hunter-Lab	89.2319, 11.5350, -4.3633

# Details

The XYZ color **83.8284, 79.6233, 100.5731** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.9912, 91.7490, 85.5019**, and the grayscale version is **78.1937, 82.2659, 89.5876**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2878, 42.9930, 56.3109** is the 20% darker color. If you saturate the color by 10%, you get **77.0294, 66.9752, 95.3757**, and if you desaturate by 10%, it is **91.6589, 94.3123, 106.1769**.

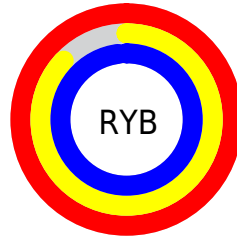
# Distribution



Red (100%)

Green (87%)

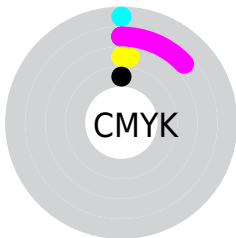
Blue (98%)



Red (100%)

Yellow (87%)

Blue (98%)

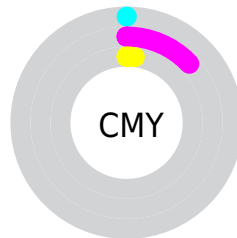


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8284, 79.6233, 100.5731 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 83.8284, 79.6233, 100.5731 by changing the saturation by 10% instead.



83.8284, 79.6233,  
100.5731

83.8284, 79.6233,  
100.5731

496.2855,  
493.6624, 583.2909

63.1930, 59.4084,  
76.1597

137.6576,  
132.8360, 164.0033

46.2566, 42.9420,  
56.0560

171.5821,  
166.6026, 203.8571

32.6538, 29.8396,  
39.8435

210.6671,  
205.6552, 249.6949

22.0194, 19.7169,  
27.1037

255.2778,  
250.3782, 301.9350

13.9878, 12.1894,  
17.4180

305.7796,  
301.1561, 360.9962

8.1938, 6.8728,  
10.3679

362.5380,

4.2721, 3.3827,

358.3731, 427.2968

5.5348

425.9181,  
422.4138, 501.2556

■ 1.8572, 1.3346,  
2.5001

■ 0.5518, 0.1678,  
0.8402

■ 83.8284, 79.6233,  
100.5731

■ 83.8284, 79.6233,  
100.5731

■ 77.0294, 66.9752,  
95.3757

■ 91.6589, 94.3123,  
106.1769

■ 71.2094, 56.2667,  
90.5640

94.6836, 99.8111,  
108.8829

■ 66.3218, 47.4035,  
86.1231

■ 62.3133, 40.2793,  
82.0349

■ 59.1254, 34.7769,  
78.2794

■ 56.6922, 30.7648,  
74.8344

■ 54.9375, 28.0908,  
71.6740

■ 53.7689, 26.5703,  
68.7672

■ 53.2050, 26.0037,  
66.8491

# Harmonies

## Analogous

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



80.2840, 79.6233, 111.4369



83.8284, 79.6233, 100.5731



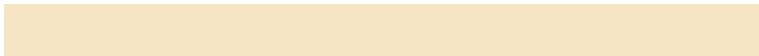
85.1727, 79.6233, 86.8510

# Triad

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



83.8284, 79.6233, 100.5731



75.7336, 79.6233, 63.1082



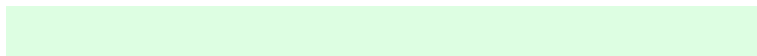
68.0264, 79.6233, 100.2776

# Complementary

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



83.8284, 79.6233, 100.5731



78.9912, 91.7490, 85.5019

# 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.



66.9193, 79.6233, 86.5416



83.8284, 79.6233, 100.5731



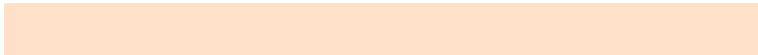
71.2546, 79.6233, 65.9186

# Square

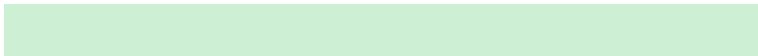
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



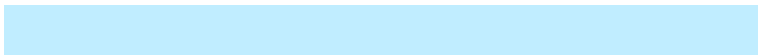
83.8284, 79.6233, 100.5731



80.3814, 79.6233, 66.0475



68.0767, 79.6233, 74.1584



71.1648, 79.6233, 111.2541



# Rectangle

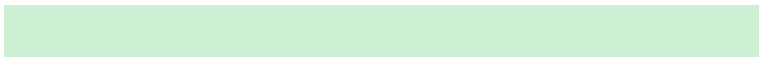
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8284, 79.6233, 100.5731



84.5988, 79.6233, 78.2003



68.0767, 79.6233, 74.1584



67.4103, 79.6233, 95.7863

# Sweetspot

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



83.8307, 79.6268, 100.5748



91.6340, 93.5647, 106.5386



75.0976, 75.0334, 104.2921



19.4801, 19.7758, 22.7102



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.



83.8307, 79.6268, 100.5748



82.4076, 76.2826, 99.8537



81.3760, 78.6449, 87.6484



18.6674, 18.2503, 22.1316



28.0942, 13.7270, 35.4762



2.7661, 1.3488, 3.6156



# Inverse Universe

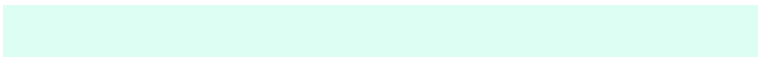
The Inverse Universe completely reimagines the original color for something new.



83.8307, 79.6268, 100.5748



82.4076, 76.2826, 99.8537



81.3581, 92.6958, 97.9657



18.6674, 18.2503, 22.1316



28.0942, 13.7270, 35.4762



2.7661, 1.3488, 3.6156



# Previews

## White Background



This preview shows how the XYZ color 83.8284, 79.6233, 100.5731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

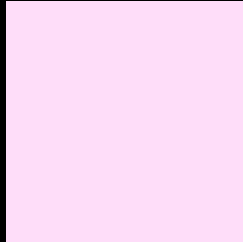
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8284, 79.6233, 100.5731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

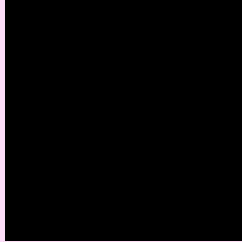
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.8284, 79.6233, 100.5731

## Background



This preview shows how black text looks on a background with the XYZ color 83.8284, 79.6233, 100.5731.



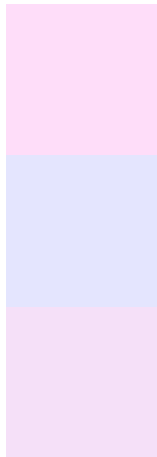
This preview shows how white text looks on a background with the XYZ color 83.8284, 79.6233,

100.5731.

# 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

83.8284, 79.6233, 100.5731

### Protanopia

77.9036, 79.6884, 105.0414

### Deuteranopia

81.2551, 79.5011, 99.8696



## Tritanopia

82.6239, 79.9493, 93.5151

# Trichromacy



## Original Color

83.8284, 79.6233, 100.5731

## Protanomaly

79.6921, 79.4255, 103.2259

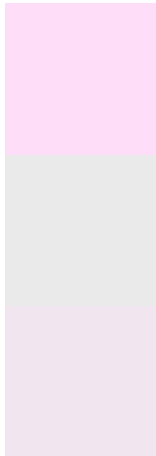
## Deuteranomaly

82.0424, 79.5091, 99.8296

## Tritanomaly

82.8070, 79.5963, 95.7932

# Monochromacy



## Original Color

83.8284, 79.6233, 100.5731

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

79.8749, 80.9714, 93.0805

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8284, 79.6233, 100.5731 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(254, 221, 249)` looks like.

```
.text, #text, p{  
    color:rgb(254, 221, 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(254, 221, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 221, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8284, 79.6233, 100.5731 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(254, 221, 249) }
```



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

```
.border{ border-color:rgb(254, 221, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 221, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 221, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 221, 249);  
box-shadow:4px 4px 4px 4px rgb(254, 221,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8284, 79.6233, 100.5731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 221, 249) }
```

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

```
.background{ background-color: rgb(254,  
221, 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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