

# Converting Colors

XYZ(83.6091, 79.1584, 98.7969)

Have a look what the booklet for  
XYZ(83.6091, 79.1584, 98.7969)  
contains.

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# Color

**XYZ(83.6217, 79.1618,  
98.8681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCF7
RGB	255, 220, 247
RGB Percent	100%, 86%, 97%
CMY	0.0000, 0.1372, 0.0314
CMYK	0.00, 0.14, 0.03, 0.00
HSL	314°, 100%, 93%
HSV	314°, 14%, 100%
XYZ	83.6217, 79.1618, 98.8681
YIQ	233.5430, 12.1930, 15.8170

# Conversions

## Conversions Part 2

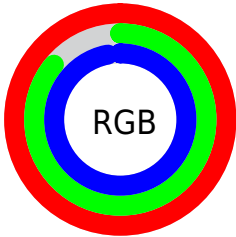
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 220, 247
Decimal	16768247
CIE Lab	91.31, 16.57, -8.66
CIE LCh	91, 18.697, 332.418
Yxy	79.1618, 0.3196, 0.3025
Android (android.graphics.Color)	4294958327 (0xFFFFDCF7)
YUV	233.5430, 6.6343, 18.8178
Hunter-Lab	88.9729, 12.0616, -3.6029

# Details

The XYZ color **83.6217, 79.1618, 98.8681** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.2812, 92.3382, 87.0465**, and the grayscale version is **77.8080, 81.8601, 89.1457**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1478, 42.6776, 55.0956** is the 20% darker color. If you saturate the color by 10%, you get **76.5476, 66.4304, 92.1424**, and if you desaturate by 10%, it is **91.7482, 93.9523, 106.0855**.

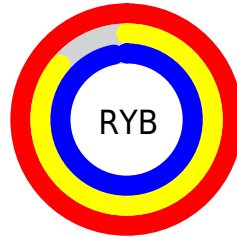
# Distribution



Red (100%)

Green (86%)

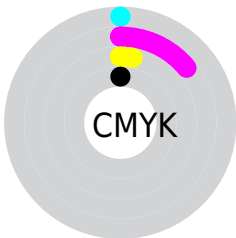
Blue (97%)



Red (100%)

Yellow (86%)

Blue (97%)

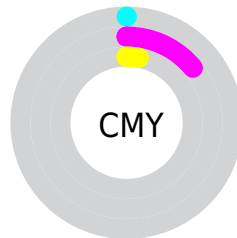


Cyan (0%)

Magenta (14%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6217, 79.1618, 98.8681 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 83.6217, 79.1618, 98.8681 by changing the saturation by 10% instead.




 83.6217, 79.1618,  
98.8681

 83.6217, 79.1618,  
98.8681


495.6088,  
492.1035, 577.7732

 63.0218, 59.0288,  
74.7440


137.3699,  
132.1866, 161.6391

 46.1176, 42.6363,  
54.9027


171.2489,  
165.8473, 201.1231

 32.5436, 29.5999,  
38.9258


210.2849,  
204.7860, 246.5640

 21.9346, 19.5351,  
26.3946

254.8434,  
249.3871, 298.3806

 13.9252, 12.0576,  
16.8907

305.2897,  
300.0350, 356.9912

 8.1500, 6.7829,  
9.9954

361.9891,

 4.2437, 3.3267,

357.1141, 422.8145

5.2904

425.3070,  
421.0088, 496.2690

■ 1.8409, 1.3046,  
2.3569

■ 0.5421, 0.1447,  
0.7628

■ 83.6217, 79.1618,  
98.8681

■ 83.6217, 79.1618,  
98.8681

■ 76.5476, 66.4304,  
92.1424

■ 91.7482, 93.9523,  
106.0855

■ 70.4743, 55.6562,  
85.8867

95.0500, 100.0000,  
108.9000

■ 65.3536, 46.7432,  
80.0848

■ 61.1313, 39.5831,  
74.7172

■ 57.7475, 34.0568,  
69.7629

■ 55.1350, 30.0300,  
65.1979

■ 53.2157, 27.3471,  
60.9949

■ 51.8944, 25.8184,  
57.1209

■ 51.2854, 25.2782,  
54.8283

# Harmonies

## Analogous

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



80.2393, 79.1618, 110.1886



83.6217, 79.1618, 98.8681



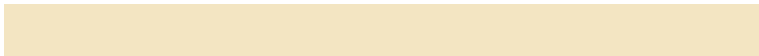
84.7305, 79.1618, 85.0957

# Triad

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



83.6217, 79.1618, 98.8681



74.8565, 79.1618, 62.6325



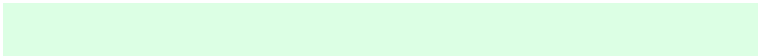
67.7982, 79.1618, 100.9757

# Complementary

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



83.6217, 79.1618, 98.8681



79.2812, 92.3382, 87.0465

# 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.



66.4877, 79.1618, 87.3012



83.6217, 79.1618, 98.8681



70.4545, 79.1618, 65.9627

# Square

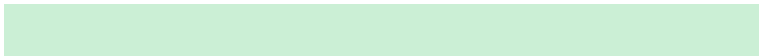
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



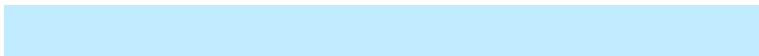
83.6217, 79.1618, 98.8681



79.5452, 79.1618, 65.0444



67.4397, 79.1618, 74.6517



71.0947, 79.1618, 111.4926



# Rectangle

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



83.6217, 79.1618, 98.8681



83.9950, 79.1618, 76.6070



67.4397, 79.1618, 74.6517



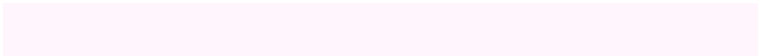
67.1173, 79.1618, 96.5487

# Sweetspot

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



83.6235, 79.1650, 98.8698



91.5088, 93.5146, 105.8790



75.5091, 74.8361, 105.0728



19.4483, 19.7631, 22.5428



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.



83.6235, 79.1650, 98.8698



81.9218, 76.0883, 97.2957



81.1066, 78.1582, 85.6159



18.6046, 18.2251, 21.8008



26.8574, 13.2323, 28.9634



2.6563, 1.3049, 3.0374



# Inverse Universe

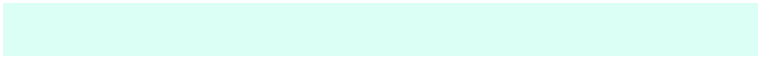
The Inverse Universe completely reimagines the original color for something new.



83.6235, 79.1650, 98.8698



81.9218, 76.0883, 97.2957



81.7714, 93.3343, 100.1598



18.6046, 18.2251, 21.8008



26.8574, 13.2323, 28.9634



2.6563, 1.3049, 3.0374



# Previews

## White Background



This preview shows how the XYZ color 83.6217, 79.1618, 98.8681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

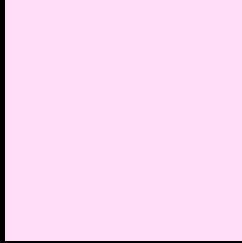
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6217, 79.1618, 98.8681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

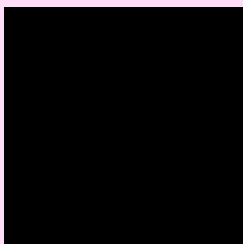
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.6217, 79.1618, 98.8681

## Background



This preview shows how black text looks on a background with the XYZ color 83.6217, 79.1618, 98.8681.



This preview shows how white text looks on a background with the XYZ color 83.6217, 79.1618,

98.8681.

# 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

83.6217, 79.1618, 98.8681

### Protanopia

77.5849, 79.5609, 103.3631

### Deuteranopia

80.9464, 79.3776, 98.2439



## **Tritanopia**

82.3095, 79.0157, 92.5747

# Trichromacy



## Original Color

83.6217, 79.1618, 98.8681

## Protanomaly

79.7116, 79.4720, 101.5809

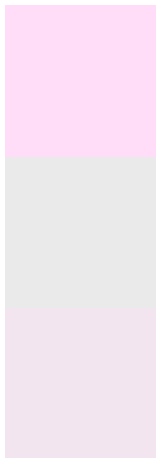
## Deuteranomaly

82.0892, 79.5689, 98.2205

## Tritanomaly

82.7565, 79.1945, 94.9287

# Monochromacy



## Original Color

83.6217, 79.1618, 98.8681

## 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 83.6217, 79.1618, 98.8681 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, 220, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 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, 220, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6217, 79.1618, 98.8681 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, 220, 247) }
```



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

```
.border{ border-color:rgb(255, 220, 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, 220, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6217, 79.1618, 98.8681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 247) }
```

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

```
.background{ background-color: rgb(255,  
220, 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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