

# Converting Colors

XYZ(81.8866, 79.5202, 86.4867)

Have a look what the booklet for  
XYZ(81.8866, 79.5202, 86.4867)  
contains.

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# Color

**XYZ(81.7851, 79.2721,  
86.5918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEE7
RGB	255, 222, 231
RGB Percent	100%, 87%, 91%
CMY	0.0000, 0.1294, 0.0941
CMYK	0.00, 0.13, 0.09, 0.00
HSL	344°, 100%, 94%
HSV	344°, 13%, 100%
XYZ	81.7851, 79.2721, 86.5918
YIQ	232.8930, 16.7790, 9.7950

# Conversions

## Conversions Part 2

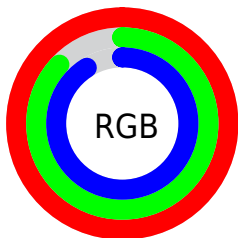
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 222, 231
Decimal	16768743
CIE Lab	91.36, 12.82, -0.20
CIE LCh	91, 12.826, 359.113
Yxy	79.2721, 0.3302, 0.3201
Android (android.graphics.Color)	4294958823 (0xFFFFDDEE7)
YUV	232.8930, -0.9332, 19.3878
Hunter-Lab	89.0349, 8.1544, 4.6613

# Details

The XYZ color **81.7851, 79.2721, 86.5918** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.5213, 93.7047, 100.9299**, and the grayscale version is **77.3712, 81.4006, 88.6452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8453, 42.7383, 46.4432** is the 20% darker color. If you saturate the color by 10%, you get **73.0353, 65.7450, 71.4286**, and if you desaturate by 10%, it is **91.8404, 94.9654, 103.5620**.

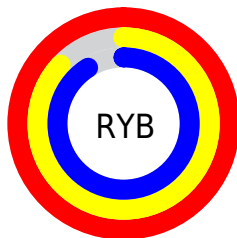
# Distribution



Red (100%)

Green (87%)

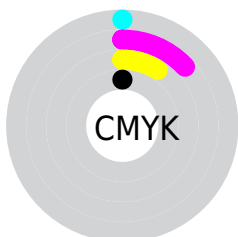
Blue (91%)



Red (100%)

Yellow (87%)

Blue (91%)

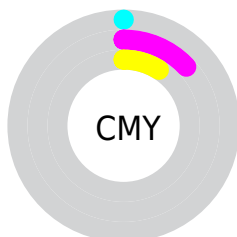


Cyan (0%)

Magenta (13%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7851, 79.2721, 86.5918 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 81.7851, 79.2721, 86.5918 by changing the saturation by 10% instead.




 81.7851, 79.2721,  
86.5918

 81.7851, 79.2721,  
86.5918


489.5740,  
492.4764, 537.1619

 61.5019, 59.1196,  
64.5998


134.8100,  
132.3419, 144.4889

 44.8844, 42.7094,  
46.6873


168.2824,  
166.0279, 181.2310

 31.5673, 29.6571,  
32.4360


206.8820,  
204.9938, 223.7269

 21.1852, 19.5785,  
21.4271

250.9740,  
249.6241, 272.3951

 13.3726, 12.0890,  
13.2423

300.9238,  
300.3031, 327.6542

 7.7644, 6.8043,  
7.4629

357.0969,

 3.9951, 3.3400,

357.4152, 389.9227

3.6705

419.8585,  
421.3448, 459.6191

■ 1.6994, 1.3117,  
1.4464

■ 0.4559, 0.1503,  
0.1775

■ 81.7851, 79.2721,  
86.5918

■ 81.7851, 79.2721,  
86.5918

■ 73.0353, 65.7450,  
71.4286

■ 91.8404, 94.9654,  
103.5620

■ 65.5311, 54.2789,  
58.0067

95.0500, 100.0000,  
108.9000

■ 59.2160, 44.7751,  
46.2637

■ 54.0269, 37.1223,  
36.1314

■ 49.8944, 31.1983,  
27.5369

■ 46.7414, 26.8662,  
20.4010

■ 44.4796, 23.9677,  
14.6369

■ 43.0031, 22.3115,  
10.1469

■ 42.3305, 21.6962,  
7.6724

# Harmonies

## Analogous

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



80.8511, 79.2721, 95.8558



81.7851, 79.2721, 86.5918



80.9527, 79.2721, 77.8753

# Triad

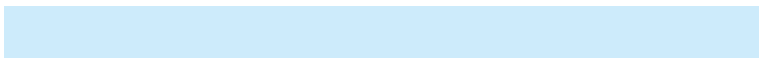
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7851, 79.2721, 86.5918



72.3386, 79.2721, 71.5683



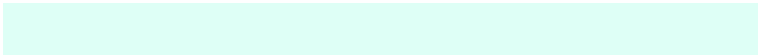
72.1753, 79.2721, 102.6453

# Complementary

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



81.7851, 79.2721, 86.5918



82.5213, 93.7047, 100.9299

# 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.



70.0038, 79.2721, 95.3410



81.7851, 79.2721, 86.5918



70.0962, 79.2721, 77.4271

# Square

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



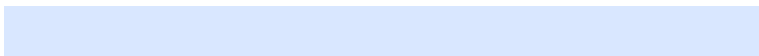
81.7851, 79.2721, 86.5918



75.4427, 79.2721, 69.5880



69.2536, 79.2721, 86.0365



75.2488, 79.2721, 105.5255

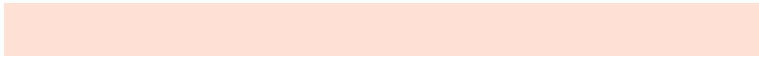


# Rectangle

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



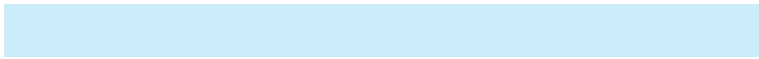
81.7851, 79.2721, 86.5918



79.5214, 79.2721, 73.4476



69.2536, 79.2721, 86.0365



71.3189, 79.2721, 100.6012

# Sweetspot

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



81.7869, 79.2754, 86.5935



90.7102, 93.1952, 101.6740



82.0569, 78.9957, 105.5306



19.2462, 19.6823, 21.4787



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

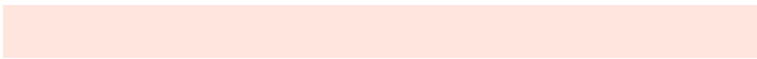
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7869, 79.2754, 86.5935



78.9720, 74.9084, 81.7624



82.4878, 82.6586, 80.7186



18.2128, 18.0684, 19.7377



22.1718, 11.3580, 4.2894



2.2023, 1.1233, 0.6468



# Inverse Universe

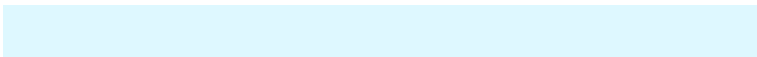
The Inverse Universe completely reimagines the original color for something new.



81.7869, 79.2754, 86.5935



78.9720, 74.9084, 81.7624



81.6978, 89.7940, 107.6338



18.2128, 18.0684, 19.7377



22.1718, 11.3580, 4.2894

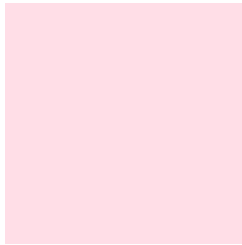


2.2023, 1.1233, 0.6468



# Previews

## White Background



This preview shows how the XYZ color 81.7851, 79.2721, 86.5918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

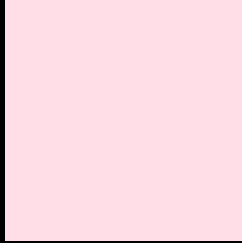
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.7851, 79.2721, 86.5918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

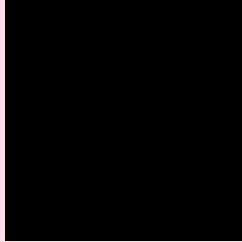
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.7851, 79.2721, 86.5918

## Background



This preview shows how black text looks on a background with the XYZ color 81.7851, 79.2721, 86.5918.



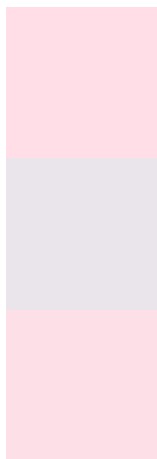
This preview shows how white text looks on a background with the XYZ color 81.7851, 79.2721,



# 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

81.7851, 79.2721, 86.5918

### Protanopia

76.6190, 79.3604, 89.8771

### Deuteranopia

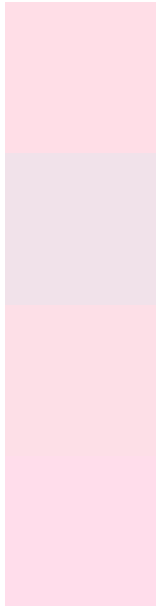
80.9564, 79.2403, 86.6294



## Tritanopia

82.5291, 79.1459, 91.8159

# Trichromacy



## Original Color

81.7851, 79.2721, 86.5918

## Protanomaly

78.3233, 79.0340, 88.9689

## Deuteranomaly

81.3195, 79.4275, 86.6464

## Tritanomaly

82.0918, 78.9711, 89.5135

# Monochromacy



## Original Color

81.7851, 79.2721, 86.5918

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.8604, 80.5656, 87.7383

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.7851, 79.2721, 86.5918 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, 222, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 231)  
}
```

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, 222, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 81.7851, 79.2721, 86.5918 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, 222, 231) }
```



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

```
.border{ border-color:rgb(255, 222, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.7851, 79.2721, 86.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 231) }
```

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

```
.background{ background-color: rgb(255,  
222, 231) }
```

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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