

# Converting Colors

XYZ(84.0288, 80.4372, 82.8237)

Have a look what the booklet for  
XYZ(84.0288, 80.4372, 82.8237)  
contains.

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# Color

**XYZ(81.0887, 78.9935,  
82.9249)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FFDEE2                    |
| RGB         | 255, 222, 226             |
| RGB Percent | 100%, 87%, 89%            |
| CMY         | 0.0000, 0.1294, 0.1137    |
| CMYK        | 0.00, 0.13, 0.11, 0.00    |
| HSL         | 353°, 100%, 94%           |
| HSV         | 353°, 13%, 100%           |
| XYZ         | 81.0887, 78.9935, 82.9249 |
| YIQ         | 232.3230, 18.3840, 8.2400 |

# Conversions

## Conversions Part 2

| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 222, 226                 |
| Decimal                             | 16768738                      |
| CIE <sub>Lab</sub>                  | 91.23, 12.01, 2.24            |
| CIE <sub>LCh</sub>                  | 91, 12.220, 10.552            |
| Yxy                                 | 78.9935, 0.3337,<br>0.3251    |
| Android<br>(android.graphics.Color) | 4294958818<br>(0xFFFFDDEE2)   |
| YUV                                 | 232.3230, -3.1172,<br>19.8877 |
| Hunter-Lab                          | 88.8783, 7.3187,<br>6.8963    |

# Details

The XYZ color **81.0887, 78.9935, 82.9249** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.2993, 94.0159, 105.0271**, and the grayscale version is **76.9582, 80.9661, 88.1720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4581, 42.5835, 44.4043** is the 20% darker color. If you saturate the color by 10%, you get **71.9442, 65.3085, 65.6828**, and if you desaturate by 10%, it is **91.6632, 94.8945, 102.6290**.

# Distribution



Red (100%)

Green (87%)

Blue (89%)



Red (100%)

Yellow (87%)

Blue (89%)



Cyan (0%)

Magenta (13%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0887, 78.9935, 82.9249 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 81.0887, 78.9935, 82.9249 by changing the saturation by 10% instead.




 81.0887, 78.9935,  
82.9249

 81.0887, 78.9935,  
82.9249


487.2751,  
491.5344, 524.7006

 60.9262, 58.8905,  
61.5879


133.8378,  
131.9497, 139.3186

 44.4179, 42.5250,  
44.2662


167.1551,  
165.5717, 175.2124

 31.1985, 29.5126,  
30.5411


205.5881,  
204.4687, 216.7955

 20.9026, 19.4689,  
19.9941

249.5021,  
249.0253, 264.4866

 13.1649, 12.0096,  
12.2067

299.2624,  
299.6257, 318.7041

 7.6200, 6.7502,  
6.7604

355.2345,

 3.9025, 3.3064,

356.6545, 379.8666

3.2365

417.7836,  
420.4959, 448.3926

■ 1.6471, 1.2937,  
1.2166

■ 0.4228, 0.1363,  
0.0000

■ 81.0887, 78.9935,  
82.9249

■ 81.0887, 78.9935,  
82.9249

■ 71.9442, 65.3085,  
65.6828

■ 91.6632, 94.8945,  
102.6290

■ 64.1628, 53.7316,  
50.8011

95.0500, 100.0000,  
108.9000

■ 57.6806, 44.1609,  
38.1781

■ 52.4263, 36.4820,  
27.7030

■ 48.3218, 30.5693,  
19.2557

■ 45.2797, 26.2815,  
12.7040

■ 43.2002, 23.4559,  
7.8999

■ 41.9636, 21.8957,  
4.6728

■ 41.4857, 21.3583,  
3.2240

# Harmonies

## Analogous

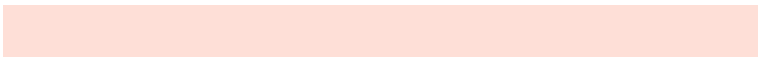
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8373, 78.9935, 91.8147



81.0887, 78.9935, 82.9249



79.6971, 78.9935, 75.3922

# Triad

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



81.0887, 78.9935, 82.9249



71.2755, 78.9935, 73.6920



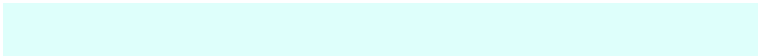
73.1157, 78.9935, 103.1152

# Complementary

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



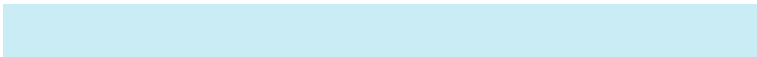
81.0887, 78.9935, 82.9249



83.2993, 94.0159, 105.0271

# 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.



70.6466, 78.9935, 97.5817



81.0887, 78.9935, 82.9249



69.6046, 78.9935, 80.4562

# Square

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



81.0887, 78.9935, 82.9249



73.9957, 78.9935, 70.3101



69.3775, 78.9935, 89.1717



76.1768, 78.9935, 103.8897

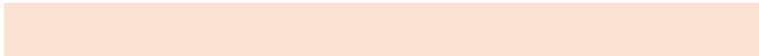


# Rectangle

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



81.0887, 78.9935, 82.9249



78.0468, 78.9935, 71.9976



69.3775, 78.9935, 89.1717



72.1912, 78.9935, 101.7329

# Sweetspot

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



81.0905, 78.9968, 82.9266



90.4719, 93.0998, 100.4188



83.8129, 79.9009, 105.6127



19.1861, 19.6582, 21.1621



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

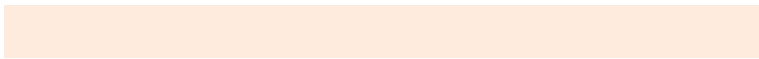
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0905, 78.9968, 82.9266



78.1419, 74.5763, 77.3912



83.8780, 85.4390, 81.1820



18.0988, 18.0228, 19.1376



21.7051, 11.1713, 1.8313



2.1404, 1.0985, 0.3209



# Inverse Universe

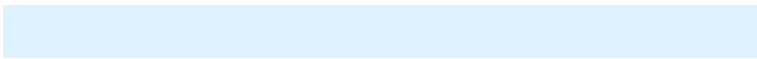
The Inverse Universe completely reimagines the original color for something new.



81.0905, 78.9968, 82.9266



78.1419, 74.5763, 77.3912



80.1974, 86.7932, 107.1337



18.0988, 18.0228, 19.1376



21.7051, 11.1713, 1.8313

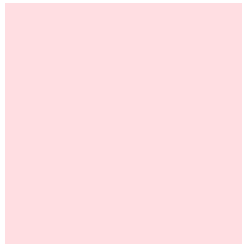


2.1404, 1.0985, 0.3209



# Previews

## White Background



This preview shows how the XYZ color 81.0887, 78.9935, 82.9249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

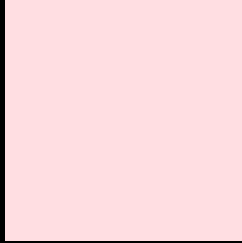
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0887, 78.9935, 82.9249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

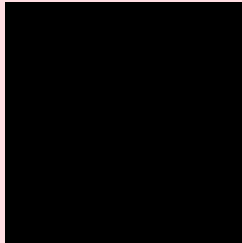
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.0887, 78.9935, 82.9249**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.0887, 78.9935, 82.9249.



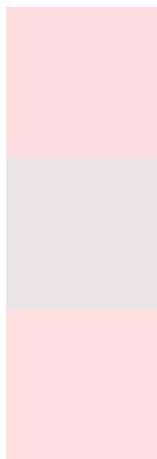
This preview shows how white text looks on a background with the XYZ color 81.0887, 78.9935,

82.9249.

# 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

81.0887, 78.9935, 82.9249

### Protanopia

76.2339, 79.2442, 86.1406

### Deuteranopia

80.9882, 79.3372, 82.9966



## Tritanopia

82.3825, 79.0873, 91.0441

# Trichromacy



## Original Color

81.0887, 78.9935, 82.9249

## Protanomaly

77.9572, 78.9271, 85.2544

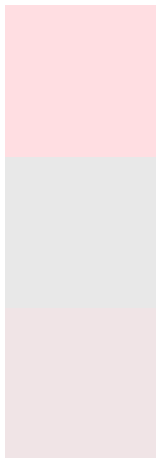
## Deuteranomaly

80.9882, 79.3372, 82.9966

## Tritanomaly

81.8044, 78.8561, 88.0000

# Monochromacy



## Original Color

81.0887, 78.9935, 82.9249

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.9615, 79.7252, 86.1424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0887, 78.9935, 82.9249 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, 226) looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0887, 78.9935, 82.9249 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, 226) }
```



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

```
.border{ border-color:rgb(255, 222, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0887, 78.9935, 82.9249 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
222, 226) }
```

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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