

# Converting Colors

XYZ(80.9003, 78.6590, 86.8581)

Have a look what the booklet for  
XYZ(80.9003, 78.6590, 86.8581)  
contains.

<b>XYZ(81.0531, 78.8947, 86.5576)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.0531, 78.8947,  
86.5576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDDEE7
RGB	253, 222, 231
RGB Percent	99%, 87%, 91%
CMY	0.0078, 0.1294, 0.0941
CMYK	0.00, 0.12, 0.09, 0.01
HSL	343°, 89%, 93%
HSV	343°, 12%, 99%
XYZ	81.0531, 78.8947, 86.5576
YIQ	232.2950, 15.5870, 9.3710

# Conversions

## Conversions Part 2

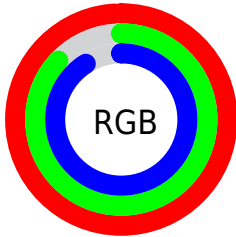
Format	Color
R <sub>Y</sub> B	253, 222, 231
Decimal	16637671
CIE Lab	91.19, 12.14, -0.47
CIE LCh	91, 12.146, 357.790
Yxy	78.8947, 0.3288, 0.3201
Android (android.graphics.Color)	4294827751 (0xFFFDDEE7)
YUV	232.2950, -0.6384, 18.1583
Hunter-Lab	88.8227, 7.4464, 4.3979

# Details

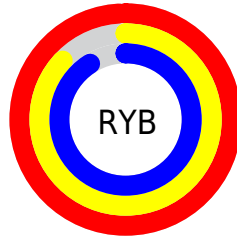
The XYZ color **81.0531, 78.8947, 86.5576** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.5817, 92.3138, 99.1109**, and the grayscale version is **76.9210, 80.9269, 88.1294**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3215, 42.4683, 46.4187** is the 20% darker color. If you saturate the color by 10%, you get **72.4238, 65.4882, 71.8036**, and if you desaturate by 10%, it is **90.9554, 94.4287, 103.0217**.

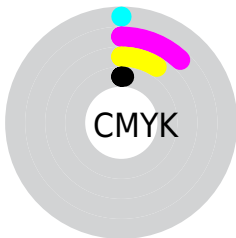
# Distribution



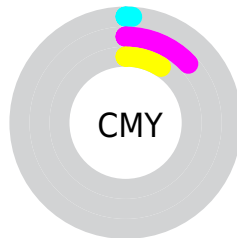
- Red (99%)
- Green (87%)
- Blue (91%)



- Red (99%)
- Yellow (87%)
- Blue (91%)



- Cyan (0%)
- Magenta (12%)
- Yellow (9%)
- Black (1%)




- Cyan (1%)
- Magenta (13%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0531, 78.8947, 86.5576 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 81.0531, 78.8947, 86.5576 by changing the saturation by 10% instead.




 81.0531, 78.8947,  
86.5576

 81.0531, 78.8947,  
86.5576


487.1575,  
491.2000, 537.0465

 60.8968, 58.8092,  
64.5716


133.7881,  
131.8106, 144.4408

 44.3941, 42.4596,  
46.6647


167.0975,  
165.4098, 181.1750

 31.1797, 29.4613,  
32.4182


205.5219,  
204.2825, 223.6625

 20.8882, 19.4301,  
21.4137

249.4268,  
248.8128, 272.3217

 13.1543, 11.9815,  
13.2325

299.1774,  
299.3854, 327.5711

 7.6126, 6.7310,  
7.4563

355.1391,

 3.8978, 3.2945,

356.3845, 389.8294

3.6663

417.6774,  
420.1946, 459.5150

■ 1.6445, 1.2873,  
1.4441

■ 0.4211, 0.1314,  
0.1758

■ 81.0531, 78.8947,  
86.5576

■ 81.0531, 78.8947,  
86.5576

■ 72.4238, 65.4882,  
71.8036

■ 90.9554, 94.4287,  
103.0217

■ 65.0083, 54.1063,  
58.6985

■ 94.3185, 99.6229,  
108.8658

■ 58.7524, 44.6527,  
47.1850

■ 53.5952, 37.0196,  
37.2000

■ 49.4701, 31.0881,  
28.6765

■ 46.3028, 26.7254,  
21.5416

■ 44.0085, 23.7785,  
15.7159

■ 42.4860, 22.0631,  
11.1098

■ 41.7253, 21.3696,  
8.3035

# Harmonies

## Analogous

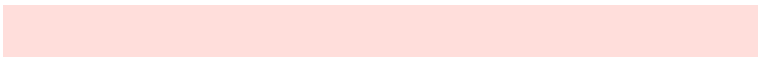
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1029, 78.8947, 95.2505



81.0531, 78.8947, 86.5576



80.3414, 78.8947, 78.2458

# Triad

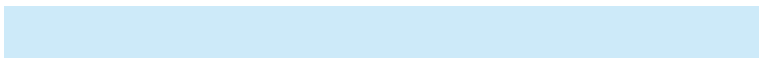
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0531, 78.8947, 86.5576



72.2634, 78.8947, 71.7738



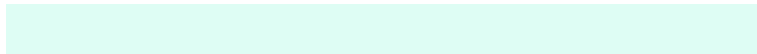
71.8788, 78.8947, 101.0449

# Complementary

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



81.0531, 78.8947, 86.5576



81.5817, 92.3138, 99.1109

# 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.



69.8760, 78.8947, 94.0439



81.0531, 78.8947, 86.5576



70.0938, 78.8947, 77.1878

# Square

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



81.0531, 78.8947, 86.5576



75.2153, 78.8947, 70.0658



69.2315, 78.8947, 85.2515



74.7593, 78.8947, 103.9630

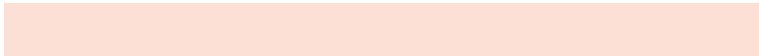


# Rectangle

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



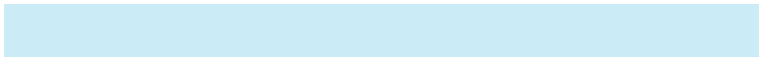
81.0531, 78.8947, 86.5576



79.0308, 78.8947, 73.9587



69.2315, 78.8947, 85.2515



71.0836, 78.8947, 99.0685

# Sweetspot

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



81.0553, 78.8982, 86.5593



90.7380, 93.2063, 101.8203



81.0578, 78.5176, 103.8127



19.2532, 19.6851, 21.5156



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

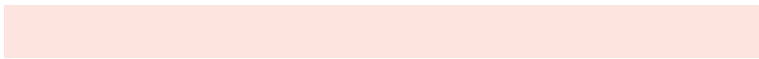
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0553, 78.8982, 86.5593



79.9714, 76.3501, 83.8126



81.4939, 81.7568, 80.5968



18.2262, 18.0738, 19.8082



22.2506, 11.3895, 4.7040



2.2115, 1.1270, 0.6950



# Inverse Universe

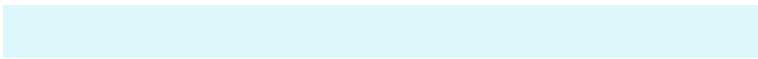
The Inverse Universe completely reimagines the original color for something new.



81.0553, 78.8982, 86.5593



79.9714, 76.3501, 83.8126



81.0561, 89.0230, 105.8406



18.2262, 18.0738, 19.8082



22.2506, 11.3895, 4.7040

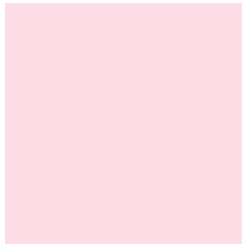


2.2115, 1.1270, 0.6950



# Previews

## White Background



This preview shows how the XYZ color 81.0531, 78.8947, 86.5576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

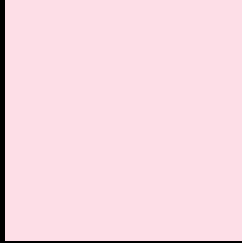
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0531, 78.8947, 86.5576 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

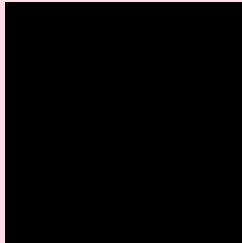
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.0531, 78.8947, 86.5576**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.0531, 78.8947, 86.5576.



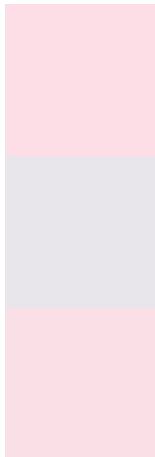
This preview shows how white text looks on a background with the XYZ color 81.0531, 78.8947,

86.5576.

# 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

81.0531, 78.8947, 86.5576

### Protanopia

76.2934, 79.1926, 89.8619

### Deuteranopia

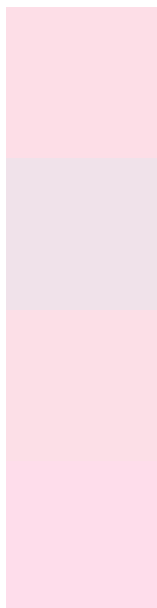
80.5951, 79.0541, 86.6125



## Tritanopia

82.1621, 78.9568, 91.7987

# Trichromacy



## Original Color

81.0531, 78.8947, 86.5576

## Protanomaly

77.9828, 78.8585, 88.9530

## Deuteranomaly

80.9564, 79.2403, 86.6294

## Tritanomaly

81.7249, 78.7819, 89.4963

# Monochromacy



## Original Color

81.0531, 78.8947, 86.5576

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

78.2441, 79.8383, 87.6304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0531, 78.8947, 86.5576 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(253, 222, 231)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 222, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 222, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0531, 78.8947, 86.5576 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(253, 222, 231) }
```



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

```
.border{ border-color:rgb(253, 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(253, 222, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 222, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 222, 231);  
box-shadow:4px 4px 4px 4px rgb(253, 222,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0531, 78.8947, 86.5576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 222, 231) }
```

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

```
.background{ background-color: rgb(253,  
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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