

# Converting Colors

XYZ(102.7138, 90.0544,  
82.0353)

Have a look what the booklet for  
XYZ(102.7138, 90.0544, 82.0353)  
contains.

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# Color

**XYZ(80.6806, 78.8303,  
80.7755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEDF
RGB	255, 222, 223
RGB Percent	100%, 87%, 87%
CMY	0.0000, 0.1294, 0.1255
CMYK	0.00, 0.13, 0.13, 0.00
HSL	358°, 100%, 94%
HSV	358°, 13%, 100%
XYZ	80.6806, 78.8303, 80.7755
YIQ	231.9810, 19.3470, 7.3070

# Conversions

## Conversions Part 2

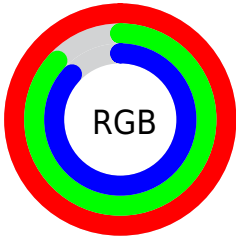
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 222, 223
Decimal	16768735
CIE <sub>Lab</sub>	91.16, 11.53, 3.70
CIE <sub>LCh</sub>	91, 12.114, 17.795
Yxy	78.8303, 0.3358, 0.3281
Android (android.graphics.Color)	4294958815 (0xFFFFDEDF)
YUV	231.9810, -4.4276, 20.1877
Hunter-Lab	88.7864, 6.8274, 8.2101

# Details

The XYZ color **80.6806, 78.8303, 80.7755** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.7762, 94.2066, 107.5380**, and the grayscale version is **76.7111, 80.7061, 87.8889**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1753, 42.4704, 42.9151** is the 20% darker color. If you saturate the color by 10%, you get **71.3186, 65.0583, 62.3887**, and if you desaturate by 10%, it is **91.5575, 94.8522, 102.0720**.

# Distribution



Red (100%)

Green (87%)

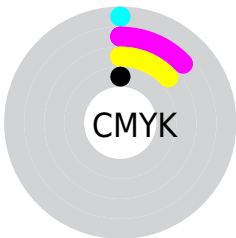
Blue (87%)



Red (100%)

Yellow (87%)

Blue (87%)



Cyan (0%)

Magenta (13%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6806, 78.8303, 80.7755 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 80.6806, 78.8303, 80.7755 by changing the saturation by 10% instead.




 80.6806, 78.8303,  
80.7755

 80.6806, 78.8303,  
80.7755


485.9252,  
490.9821, 517.3180

 60.5890, 58.7563,  
59.8268


133.2677,  
131.7199, 136.2767

 44.1448, 42.4170,  
42.8547


166.4939,  
165.3043, 171.6663

 30.9828, 29.4279,  
29.4405


204.8290,  
204.1610, 212.7067

 20.7375, 19.4048,  
19.1659

248.6383,  
248.6743, 259.8163

 13.0436, 11.9631,  
11.6122

298.2872,  
299.2287, 313.4136

 7.5358, 6.7186,  
6.3609

354.1411,

 3.8487, 3.2867,

356.2085, 373.9174

2.9934

416.5653,  
419.9982, 441.7460

■ 1.6169, 1.2832,  
1.0913

■ 0.4034, 0.1281,  
0.0000

■ 80.6806, 78.8303,  
80.7755

■ 80.6806, 78.8303,  
80.7755

■ 71.3186, 65.0583,  
62.3887

■ 91.5575, 94.8522,  
102.0720

■ 63.3993, 53.4262,  
46.7806

95.0500, 100.0000,  
108.9000

■ 56.8525, 43.8297,  
33.8177

■ 51.6003, 36.1517,  
23.3533

■ 47.5567, 30.2633,  
15.2268

■ 44.6255, 26.0198,  
9.2585

■ 42.6957, 23.2541,  
5.2430

■ 41.6336, 21.7637,  
2.9351

■ 41.2822, 21.2769,  
2.1520

# Harmonies

## Analogous

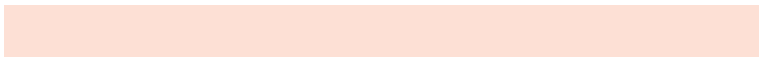
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8370, 78.8303, 89.4520



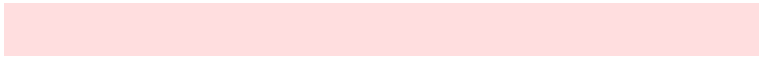
80.6806, 78.8303, 80.7755



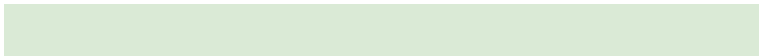
78.9565, 78.8303, 73.9235

# Triad

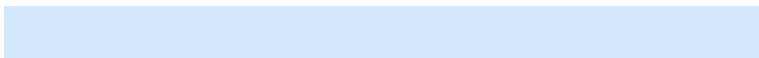
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6806, 78.8303, 80.7755



70.6431, 78.8303, 74.9825



73.6864, 78.8303, 103.4156

# Complementary

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



80.6806, 78.8303, 80.7755



83.7762, 94.2066, 107.5380

# 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.



71.0347, 78.8303, 98.9570



80.6806, 78.8303, 80.7755



69.3101, 78.8303, 82.3125

# Square

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



80.6806, 78.8303, 80.7755



73.1385, 78.8303, 70.7392



69.4514, 78.8303, 91.0969



76.7420, 78.8303, 102.9338

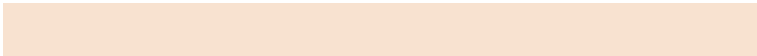


# Rectangle

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



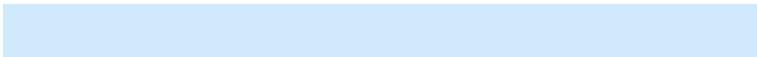
80.6806, 78.8303, 80.7755



77.1760, 78.8303, 71.1305



69.4514, 78.8303, 91.0969



72.7198, 78.8303, 102.4330

# Sweetspot

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



80.6824, 78.8336, 80.7772



90.3298, 93.0430, 99.6707



85.0094, 80.5178, 105.6688



19.1503, 19.6439, 20.9737



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

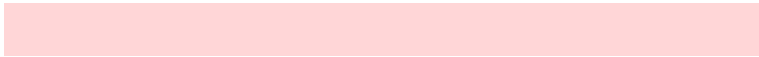


# Same Dimension

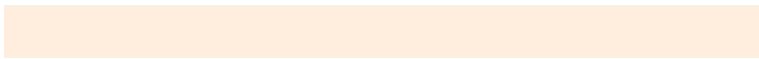
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6824, 78.8336, 80.7772



77.6584, 74.3829, 74.8450



84.8267, 87.3364, 81.4983



18.0316, 17.9959, 18.7835



21.5804, 11.1215, 1.1749



2.1087, 1.0858, 0.1537



# Inverse Universe

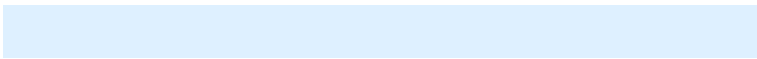
The Inverse Universe completely reimagines the original color for something new.



80.6824, 78.8336, 80.7772



77.6584, 74.3829, 74.8450



79.2194, 84.8372, 106.8076



18.0316, 17.9959, 18.7835



21.5804, 11.1215, 1.1749

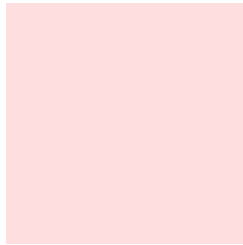


2.1087, 1.0858, 0.1537



# Previews

## White Background



This preview shows how the XYZ color 80.6806, 78.8303, 80.7755 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

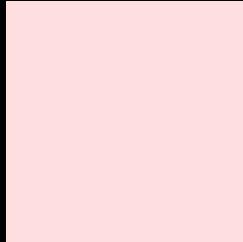
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.6806, 78.8303, 80.7755 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

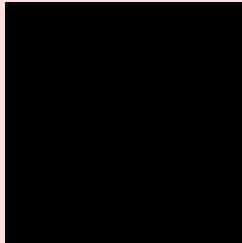
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.6806, 78.8303, 80.7755**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.6806, 78.8303, 80.7755.



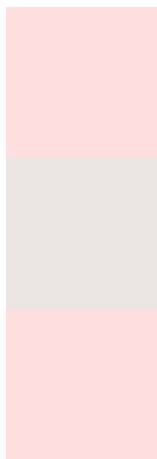
This preview shows how white text looks on a background with the XYZ color 80.6806, 78.8303,

80.7755.

# 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

80.6806, 78.8303, 80.7755

### Protanopia

75.8161, 79.0771, 83.9405

### Deuteranopia

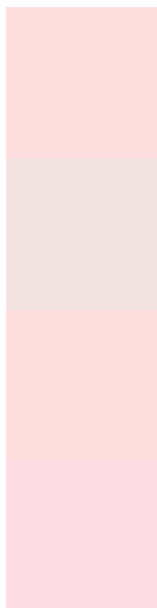
80.3136, 78.6411, 80.7583



## Tritanopia

82.2368, 79.0290, 90.2767

# Trichromacy



## Original Color

80.6806, 78.8303, 80.7755

## Protanomaly

77.5418, 78.7609, 83.0670

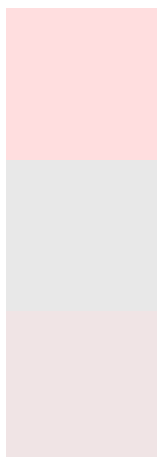
## Deuteranomaly

80.3136, 78.6411, 80.7583

## Tritanomaly

81.5203, 78.7424, 86.5035

# Monochromacy



## Original Color

80.6806, 78.8303, 80.7755

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.8214, 79.6692, 85.4048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.6806, 78.8303, 80.7755 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 80.6806, 78.8303, 80.7755 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".

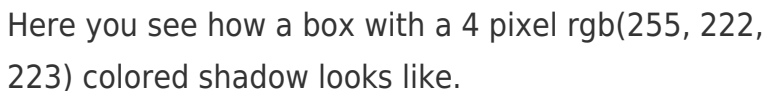
```
.border, #border, table{ border:4px solid rgb(255, 222, 223) }
```



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

```
.border{ border-color:rgb(255, 222, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 222, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 222, 223); box-shadow:4px 4px 4px 4px rgb(255, 222, 223) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.6806, 78.8303, 80.7755 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
222, 223) }
```

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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