

# Converting Colors

XYZ(81.4024, 80.5974, 78.8902)

Have a look what the booklet for  
XYZ(81.4024, 80.5974, 78.8902)  
contains.

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# Color

**XYZ(81.0835, 80.2777,  
78.9317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1DC
RGB	255, 225, 220
RGB Percent	100%, 88%, 86%
CMY	0.0000, 0.1176, 0.1372
CMYK	0.00, 0.12, 0.14, 0.00
HSL	9°, 100%, 93%
HSV	9°, 14%, 100%
XYZ	81.0835, 80.2777, 78.9317
YIQ	233.4000, 19.4850, 4.8050

# Conversions

## Conversions Part 2

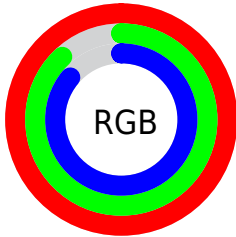
Format	Color
R <sub>Y</sub> B	255, 226, 220
Decimal	16769500
CIE Lab	91.81, 9.51, 6.21
CIE LCh	92, 11.362, 33.158
Yxy	80.2777, 0.3374, 0.3341
Android (android.graphics.Color)	4294959580 (0xFFFFE1DC)
YUV	233.4000, -6.6062, 18.9432
Hunter-Lab	89.5978, 4.7413, 10.4866

# Details

The XYZ color **81.0835, 80.2777, 78.9317** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.7499, 90.8043, 107.8261**, and the grayscale version is **77.7930, 81.8443, 89.1285**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4550, 43.4718, 41.6452** is the 20% darker color. If you saturate the color by 10%, you get **72.4260, 67.9615, 60.6354**, and if you desaturate by 10%, it is **91.0160, 94.3190, 100.1965**.

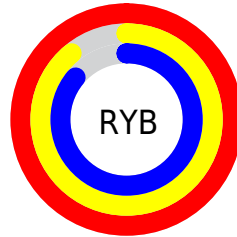
# Distribution



Red (100%)

Green (88%)

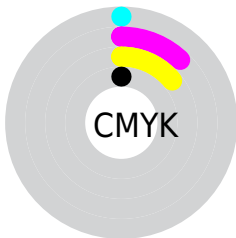
Blue (86%)



Red (100%)

Yellow (89%)

Blue (86%)

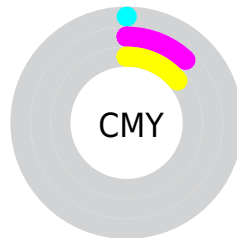


Cyan (0%)

Magenta (12%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0835, 80.2777, 78.9317 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 81.0835, 80.2777, 78.9317 by changing the saturation by 10% instead.



 81.0835, 80.2777,  
78.9317

 81.0835, 80.2777,  
78.9317


487.2579,  
495.8682, 510.9368

 60.9219, 59.9469,  
58.3187

133.8305,  
133.7561, 133.6605

 44.4144, 43.3758,  
41.6485


167.1467,  
167.6725, 168.6133

 31.1958, 30.1801,  
28.5026


205.5784,  
206.8862, 209.1832

 20.9005, 19.9753,  
18.4626

249.4911,  
251.7816, 255.7886

 13.1634, 12.3771,  
11.1097

299.2500,  
302.7431, 308.8482

 7.6189, 7.0011,  
6.0256

355.2205,

 3.9018, 3.4628,

360.1551, 368.7803

2.7916

417.7681,  
424.4020, 436.0037

■ 1.6467, 1.3778,  
0.9892

■ 0.4226, 0.2003,  
0.0000

■ 81.0835, 80.2777,  
78.9317

■ 81.0835, 80.2777,  
78.9317

■ 72.4260, 67.9615,  
60.6354

■ 91.0160, 94.3190,  
100.1965

■ 64.9862, 57.2939,  
45.1706

95.0500, 100.0000,  
108.9000

■ 58.7108, 48.2079,  
32.3969

■ 53.5400, 40.6279,  
22.1601

■ 49.4089, 34.4718,  
14.2901

■ 46.2455, 29.6500,  
8.5960

■ 43.9683, 26.0622,  
4.8571

■ 42.4817, 23.5937,  
2.8053

■ 41.8850, 22.5499,  
2.1450

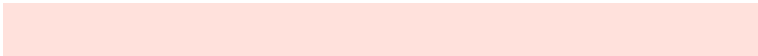
# Harmonies

## Analogous

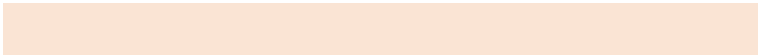
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0273, 80.2777, 86.5287



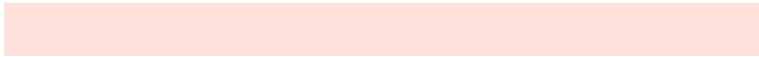
81.0835, 80.2777, 78.9317



78.8566, 80.2777, 73.8729

# Triad

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



81.0835, 80.2777, 78.9317



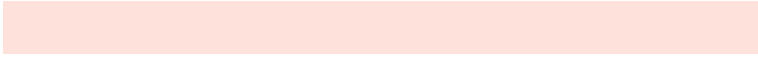
71.4160, 80.2777, 80.3693



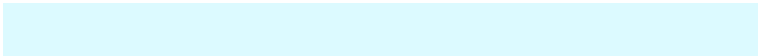
76.6103, 80.2777, 104.4097

# Complementary

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



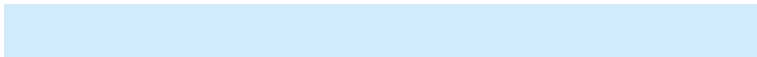
81.0835, 80.2777, 78.9317



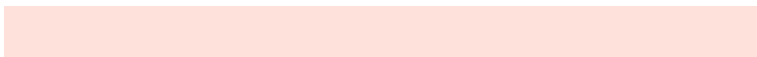
81.7499, 90.8043, 107.8261

# 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.



73.8022, 80.2777, 102.5046



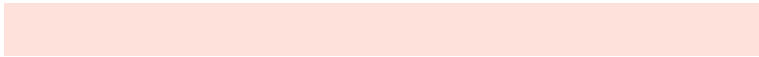
81.0835, 80.2777, 78.9317



70.8486, 80.2777, 88.2948

# Square

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



81.0835, 80.2777, 78.9317



73.2812, 80.2777, 74.6651



71.7114, 80.2777, 96.4720



79.4038, 80.2777, 101.5258

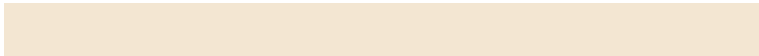


# Rectangle

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



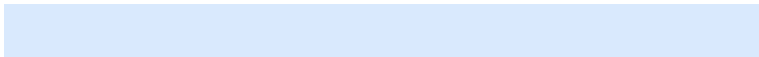
81.0835, 80.2777, 78.9317



76.9702, 80.2777, 72.4406



71.7114, 80.2777, 96.4720



75.6367, 80.2777, 104.3087

# Sweetspot

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



81.0853, 80.2811, 78.9334



90.7254, 93.9093, 99.5708



84.1413, 79.3703, 101.6022



19.2499, 19.8621, 20.9486



0.0000, 0.0000, 0.0000

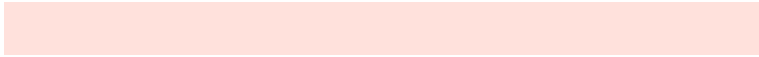


20.3446, 21.4041, 23.3091



# Same Dimension

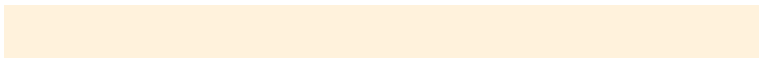
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0853, 80.2811, 78.9334



79.0053, 77.3295, 74.5144



85.9604, 90.0313, 80.5584



18.2189, 18.4059, 18.7368



21.9487, 11.9087, 1.1418

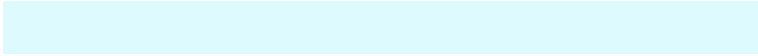


2.1971, 1.2795, 0.1312

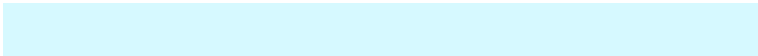


# Inverse Universe

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



81.7499, 90.8043, 107.8261



79.7670, 89.4003, 107.6596



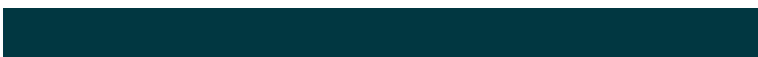
76.6577, 80.6200, 106.1287



18.3204, 20.0125, 23.1472



22.6896, 30.2888, 54.0850

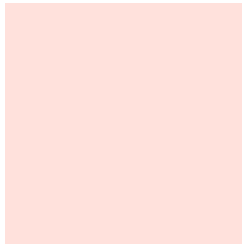


2.2672, 3.0651, 5.2854



# Previews

## White Background



This preview shows how the XYZ color 81.0835, 80.2777, 78.9317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

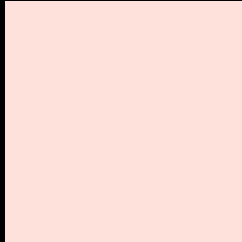
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0835, 80.2777, 78.9317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

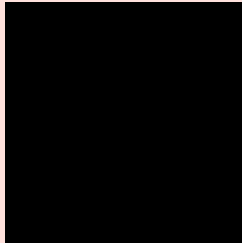
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.0835, 80.2777, 78.9317**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.0835, 80.2777, 78.9317.



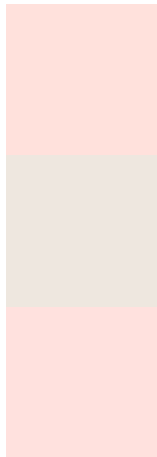
This preview shows how white text looks on a background with the XYZ color 81.0835, 80.2777, 78.9317.



# 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

81.0835, 80.2777, 78.9317

### Protanopia

77.1551, 80.6567, 81.3138

### Deuteranopia

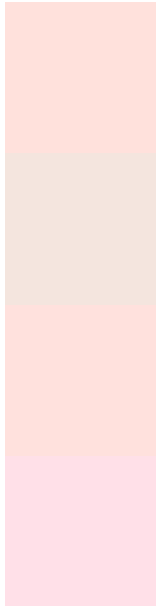
81.3500, 80.3844, 80.3354



## Tritanopia

83.2077, 80.2673, 92.7690

# Trichromacy



## Original Color

81.0835, 80.2777, 78.9317

## Protanomaly

78.5124, 80.5456, 80.5161

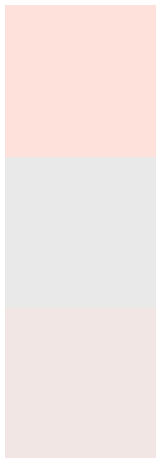
## Deuteranomaly

81.2164, 80.3309, 79.6315

## Tritanomaly

82.4611, 80.3975, 87.5160

# Monochromacy



## Original Color

81.0835, 80.2777, 78.9317

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.5760, 80.8958, 84.8718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0835, 80.2777, 78.9317 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, 225, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 220)  
}
```

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, 225, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0835, 80.2777, 78.9317 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, 225, 220) }
```



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

```
.border{ border-color:rgb(255, 225, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0835, 80.2777, 78.9317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 220) }
```

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

```
.background{ background-color: rgb(255,  
225, 220) }
```

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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