

# Converting Colors

XYZ(119.4070, 100.0000,  
83.1713)

Have a look what the booklet for  
XYZ(119.4070, 100.0000, 83.1713)  
contains.

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# Color

**XYZ(81.4845, 80.4381,  
81.0435)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE1DF
RGB	255, 225, 223
RGB Percent	100%, 88%, 87%
CMY	0.0000, 0.1176, 0.1255
CMYK	0.00, 0.12, 0.13, 0.00
HSL	4°, 100%, 94%
HSV	4°, 13%, 100%
XYZ	81.4845, 80.4381, 81.0435
YIQ	233.7420, 18.5220, 5.7380

# Conversions

## Conversions Part 2

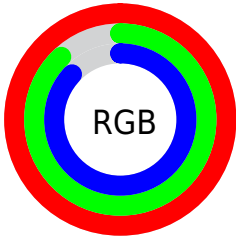
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 225, 223
Decimal	16769503
CIE Lab	91.88, 9.98, 4.75
CIE LCh	92, 11.055, 25.445
Yxy	80.4381, 0.3354, 0.3311
Android (android.graphics.Color)	4294959583 (0xFFFFE1DF)
YUV	233.7420, -5.2958, 18.6433
Hunter-Lab	89.6873, 5.2217, 9.2053

# Details

The XYZ color **81.4845, 80.4381, 81.0435** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.6059, 93.1561, 108.1822**, and the grayscale version is **78.0422, 82.1065, 89.4140**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7313, 43.5824, 43.1004** is the 20% darker color. If you saturate the color by 10%, you get **72.2864, 67.1357, 62.2738**, and if you desaturate by 10%, it is **92.1087, 95.7634, 102.8451**.

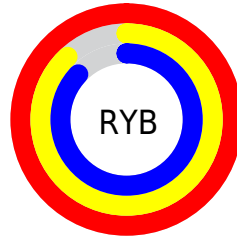
# Distribution



Red (100%)

Green (88%)

Blue (87%)



Red (100%)

Yellow (88%)

Blue (87%)

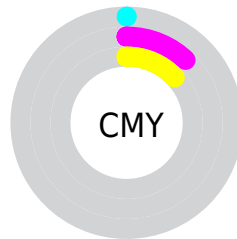


Cyan (0%)

Magenta (12%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4845, 80.4381, 81.0435 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 81.4845, 80.4381, 81.0435 by changing the saturation by 10% instead.




 81.4845, 80.4381,  
81.0435

 81.4845, 80.4381,  
81.0435


488.5824,  
496.4080, 518.2418

 61.2534, 60.0789,  
60.0462


134.3905,  
133.9815, 136.6565

 44.6830, 43.4823,  
43.0303


167.7960,  
167.9345, 172.1092

 31.4080, 30.2637,  
29.5773


206.3237,  
207.1876, 213.2176

 21.0631, 20.0388,  
19.2687

250.3390,  
252.1252, 260.4000

 13.2829, 12.4233,  
11.6858

300.2071,  
303.1316, 314.0751

 7.7019, 7.0326,  
6.4102

356.2935,

 3.9550, 3.4825,

360.5913, 374.6614

3.0233

418.9635,  
424.8886, 442.5775

■ 1.6767, 1.3885,  
1.1065

■ 0.4416, 0.2082,  
0.0000

■ 81.4845, 80.4381,  
81.0435

■ 81.4845, 80.4381,  
81.0435

■ 72.2864, 67.1357,  
62.2738

■ 92.1087, 95.7634,  
102.8451

■ 64.4483, 55.7622,  
46.3970

95.0500, 100.0000,  
108.9000

■ 57.9075, 46.2311,  
33.2706

■ 52.5937, 38.4453,  
22.7384

■ 48.4303, 32.2991,  
14.6282

■ 45.3320, 27.6751,  
8.7472

■ 43.2014, 24.4403,  
4.8731

■ 41.9234, 22.4388,  
2.7377

■ 41.4249, 21.6298,  
1.9916

# Harmonies

## Analogous

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



82.0196, 80.4381, 88.8294



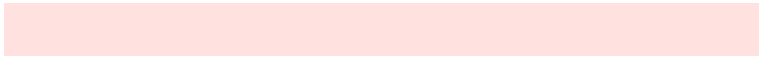
81.4845, 80.4381, 81.0435



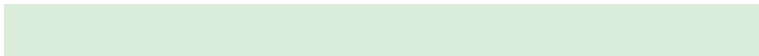
79.5888, 80.4381, 75.3409

# Triad

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



81.4845, 80.4381, 81.0435



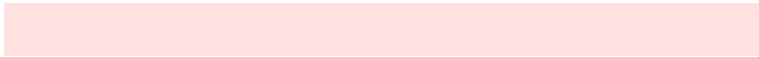
72.0504, 80.4381, 79.0208



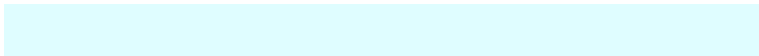
76.0218, 80.4381, 104.0916

# Complementary

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



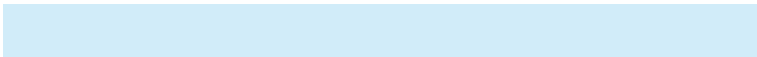
81.4845, 80.4381, 81.0435



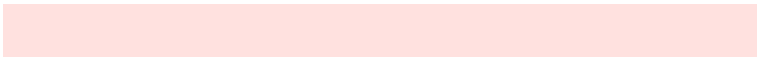
83.6059, 93.1561, 108.1822

# 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.



73.4026, 80.4381, 101.0852



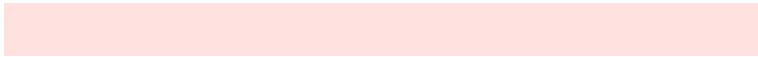
81.4845, 80.4381, 81.0435



71.1460, 80.4381, 86.3491

# Square

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



81.4845, 80.4381, 81.0435



74.1350, 80.4381, 74.2247



71.6349, 80.4381, 94.4660



78.8209, 80.4381, 102.4559



# Rectangle

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



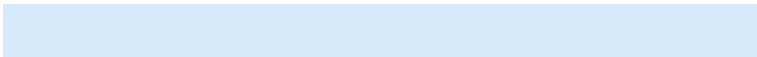
81.4845, 80.4381, 81.0435



77.8326, 80.4381, 73.3206



71.6349, 80.4381, 94.4660



75.0918, 80.4381, 103.5855

# Sweetspot

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



81.4863, 80.4415, 81.0452



90.4763, 93.4111, 99.4877



85.4216, 81.1536, 104.4250



19.1872, 19.7366, 20.9276



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.



81.4863, 80.4415, 81.0452



79.1015, 76.9960, 76.1679



85.8968, 89.2623, 82.5153



18.1007, 18.1695, 18.6974



21.6800, 11.3713, 1.0522

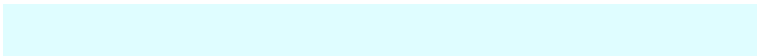


2.1415, 1.1683, 0.1126



# Inverse Universe

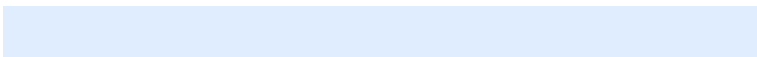
The Inverse Universe completely reimagines the original color for something new.



83.6059, 93.1561, 108.1822



81.5914, 91.9343, 108.0525



78.8823, 83.7090, 106.6077



18.4517, 20.2750, 23.1909



25.6059, 36.1213, 55.0571

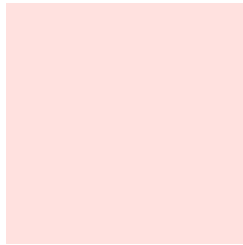


2.5215, 3.5736, 5.3702



# Previews

## White Background



This preview shows how the XYZ color 81.4845, 80.4381, 81.0435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

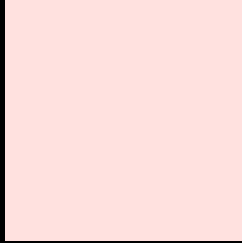
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.4845, 80.4381, 81.0435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

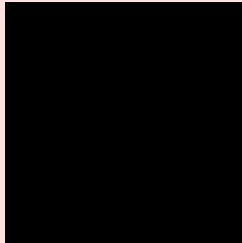
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.4845, 80.4381, 81.0435**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.4845, 80.4381, 81.0435.



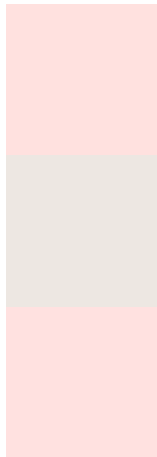
This preview shows how white text looks on a background with the XYZ color 81.4845, 80.4381,

81.0435.

# 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

81.4845, 80.4381, 81.0435

### Protanopia

77.2284, 80.6473, 83.4476

### Deuteranopia

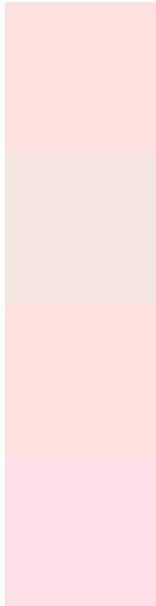
81.6198, 80.4922, 81.7557



## Tritanopia

83.2077, 80.2673, 92.7690

# Trichromacy



## Original Color

81.4845, 80.4381, 81.0435

## Protanomaly

78.9181, 80.7080, 82.6529

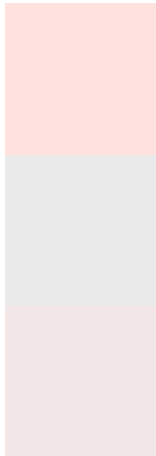
## Deuteranomaly

81.6198, 80.4922, 81.7557

## Tritanomaly

82.6036, 80.4545, 88.2664

# Monochromacy



## Original Color

81.4845, 80.4381, 81.0435

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

79.4768, 81.7422, 86.4519

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.4845, 80.4381, 81.0435 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, 223) looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 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, 225, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 81.4845, 80.4381, 81.0435 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, 223) }
```



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

```
.border{ border-color:rgb(255, 225, 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, 225, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.4845, 80.4381, 81.0435 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, 223) }
```

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

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