

# Converting Colors

XYZ(82.0060, 81.5328, 90.8519)

Have a look what the booklet for  
XYZ(82.0060, 81.5328, 90.8519)  
contains.

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# Color

**XYZ(81.9506, 81.6827,  
90.8039)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F9E4EC
RGB	249, 228, 236
RGB Percent	98%, 89%, 93%
CMY	0.0235, 0.1059, 0.0745
CMYK	0.00, 0.08, 0.05, 0.02
HSL	337°, 64%, 94%
HSV	337°, 8%, 98%
XYZ	81.9506, 81.6827, 90.8039
YIQ	235.1910, 9.9480, 6.9400

# Conversions

## Conversions Part 2

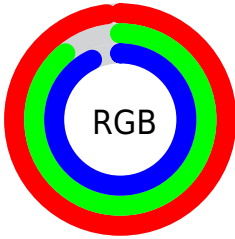
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 228, 236
Decimal	16377068
CIE <sub>Lab</sub>	92.43, 8.50, -1.30
CIE <sub>LCh</sub>	92, 8.599, 351.319
Yxy	81.6827, 0.3221, 0.3210
Android (android.graphics.Color)	4294567148 (0xFFFF9E4EC)
YUV	235.1910, 0.3988, 12.1105
Hunter-Lab	90.3785, 3.6924, 3.6959

# Details

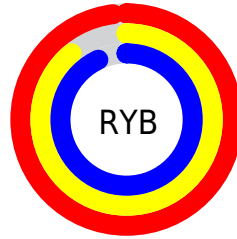
The XYZ color **81.9506, 81.6827, 90.8039** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7509, 90.5982, 96.4020**, and the grayscale version is **79.1048, 83.2244, 90.6314**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1741, 44.5199, 49.3923** is the 20% darker color. If you saturate the color by 10%, you get **73.4440, 68.1002, 77.3901**, and if you desaturate by 10%, it is **91.6417, 97.3227, 105.5686**.

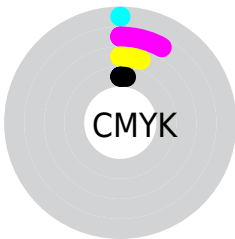
# Distribution



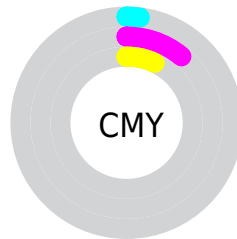
- Red (98%)
- Green (89%)
- Blue (93%)



- Red (98%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (8%)
- Yellow (5%)
- Black (2%)




- Cyan (2%)
- Magenta (11%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9506, 81.6827, 90.8039 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 81.9506, 81.6827, 90.8039 by changing the saturation by 10% instead.




 81.9506, 81.6827,  
90.8039

 81.9506, 81.6827,  
90.8039


490.1194,  
500.5857, 551.2799

 61.6388, 61.1040,  
68.0701


135.0409,  
135.7289, 150.3998

 44.9954, 44.3091,  
49.4877


168.5501,  
169.9653, 188.0990

 31.6551, 30.9136,  
34.6382


207.1892,  
209.5230, 231.6238

 21.2524, 20.5331,  
23.1030

251.3234,  
254.7865, 281.3926

 13.4222, 12.7831,  
14.4636

301.3182,  
306.1401, 337.8241

 7.7989, 7.2794,  
8.3014

357.5389,

 4.0172, 3.6374,

363.9682, 401.3368

4.1979

420.3509,  
428.6553, 472.3492

■ 1.7119, 1.4729,  
1.7345

■ 0.4637, 0.2695,  
0.3842

■ 81.9506, 81.6827,  
90.8039

■ 81.9506, 81.6827,  
90.8039

■ 73.4440, 68.1002,  
77.3901

■ 91.6417, 97.3227,  
105.5686

■ 66.0683, 56.4785,  
65.2823

■ 92.8773, 98.8799,  
108.7983

■ 59.7755, 46.7293,  
54.4406

■ 54.5118, 38.7532,  
44.8211

■ 50.2185, 32.4415,  
36.3768

■ 46.8306, 27.6734,  
29.0575

■ 44.2743, 24.3115,  
22.8084

■ 42.4635, 22.1938,  
17.5688

■ 41.2788, 21.0923,  
13.2646

# Harmonies

## Analogous

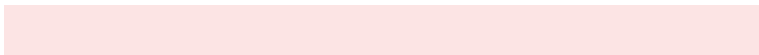
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0304, 81.6827, 96.8314



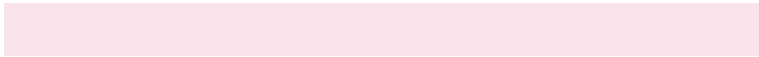
81.9506, 81.6827, 90.8039



81.6978, 81.6827, 84.5510

# Triad

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



81.9506, 81.6827, 90.8039



76.0894, 81.6827, 77.9887



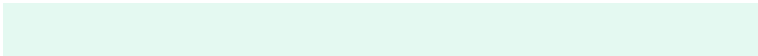
74.9894, 81.6827, 98.8671

# Complementary

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



81.9506, 81.6827, 90.8039



81.7509, 90.5982, 96.4020

# 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.



73.7130, 81.6827, 93.4753



81.9506, 81.6827, 90.8039



74.3396, 81.6827, 81.4867

# Square

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



81.9506, 81.6827, 90.8039



78.2856, 81.6827, 77.3499



73.4774, 81.6827, 87.0990



76.9919, 81.6827, 101.6305

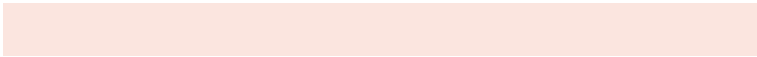


# Rectangle

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



81.9506, 81.6827, 90.8039



80.9001, 81.6827, 81.0793



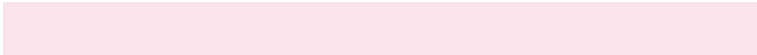
73.4774, 81.6827, 87.0990



74.4628, 81.6827, 97.2900

# Sweetspot

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



81.9529, 81.6863, 90.8057



91.9046, 94.9145, 104.1355



81.1037, 81.0222, 100.9877



19.4956, 20.0319, 22.0215



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

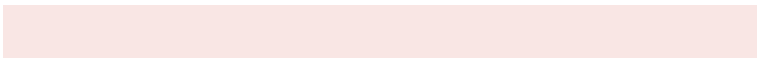
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9529, 81.6863, 90.8057



85.0091, 83.8202, 93.5234



81.4955, 82.5892, 85.0492



17.5181, 17.3346, 19.3181



22.0771, 11.2466, 7.1145



2.0945, 1.0616, 0.9213



# Inverse Universe

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



81.9529, 81.6863, 90.8057



85.0091, 83.8202, 93.5234



82.2197, 89.5823, 102.5811



17.5181, 17.3346, 19.3181



22.0771, 11.2466, 7.1145

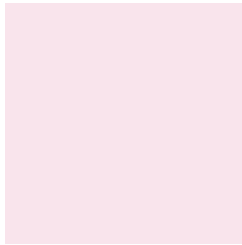


2.0945, 1.0616, 0.9213



# Previews

## White Background



This preview shows how the XYZ color 81.9506, 81.6827, 90.8039 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

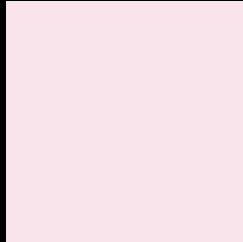
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9506, 81.6827, 90.8039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

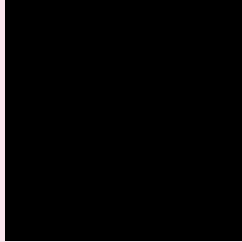
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.9506, 81.6827, 90.8039**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.9506, 81.6827, 90.8039.



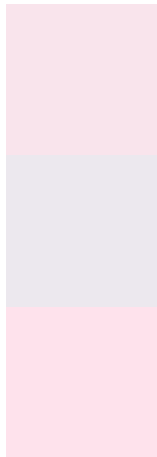
This preview shows how white text looks on a background with the XYZ color 81.9506, 81.6827,

90.8039.

# 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

81.9506, 81.6827, 90.8039

### Protanopia

78.8813, 81.7191, 92.5048

### Deuteranopia

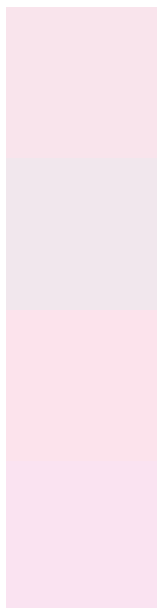
83.2097, 81.5197, 90.7061



## Tritanopia

83.2226, 81.7938, 96.9894

# Trichromacy



## Original Color

81.9506, 81.6827, 90.8039

## Protanomaly

80.1376, 81.9670, 91.7183

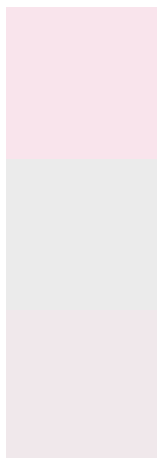
## Deuteranomaly

82.7543, 81.6897, 90.7630

## Tritanomaly

82.7706, 81.6130, 94.6095

# Monochromacy



## Original Color

81.9506, 81.6827, 90.8039

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.7872, 82.2366, 90.2653

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9506, 81.6827, 90.8039 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(249, 228, 236) looks like.

```
.text, #text, p{  
    color:rgb(249, 228, 236)  
}
```

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(249, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 228, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9506, 81.6827, 90.8039 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(249, 228, 236) }
```



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

```
.border{ border-color:rgb(249, 228, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(249, 228,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9506, 81.6827, 90.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 228, 236) }
```

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

```
.background{ background-color: rgb(249,  
228, 236) }
```

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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