

# Converting Colors

XYZ(81.8327, 81.5507, 93.8699)

Have a look what the booklet for  
XYZ(81.8327, 81.5507, 93.8699)  
contains.

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# Color

**XYZ(81.8294, 81.5522,  
93.8664)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F7E4F0
RGB	247, 228, 240
RGB Percent	97%, 89%, 94%
CMY	0.0314, 0.1059, 0.0588
CMYK	0.00, 0.08, 0.03, 0.03
HSL	322°, 54%, 93%
HSV	322°, 8%, 97%
XYZ	81.8294, 81.5522, 93.8664
YIQ	235.0490, 7.4720, 7.7600

# Conversions

## Conversions Part 2

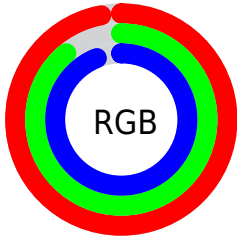
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">247, 228, 240</a>
Decimal	<a href="#">16246000</a>
CIELab	<a href="#">92.38, 8.52, -3.49</a>
CIELCh	<a href="#">92, 9.203, 337.710</a>
Yxy	<a href="#">81.5522, 0.3181, 0.3170</a>
Android (android.graphics.Color)	<a href="#">4294436080 (0xFF7E4F0)</a>
YUV	<a href="#">235.0490, 2.4408, 10.4810</a>
Hunter-Lab	<a href="#">90.3063, 3.7086, 1.5870</a>

# Details

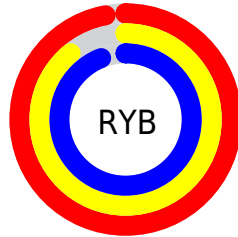
The XYZ color **81.8294, 81.5522, 93.8664** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.2542, 89.0160, 91.5535**, and the grayscale version is **78.9830, 83.0962, 90.4918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0812, 44.4242, 51.5461** is the 20% darker color. If you saturate the color by 10%, you get **74.1961, 68.3946, 84.8179**, and if you desaturate by 10%, it is **90.5059, 96.6854, 103.5993**.

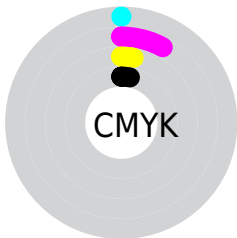
# Distribution



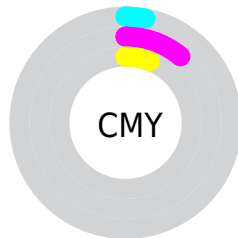
- Red (97%)
- Green (89%)
- Blue (94%)



- Red (97%)
- Yellow (89%)
- Blue (94%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (3%)




- Cyan (3%)
- Magenta (11%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8294, 81.5522, 93.8664 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 81.8294, 81.5522, 93.8664 by changing the saturation by 10% instead.




 81.8294, 81.5522,  
93.8664

 81.8294, 81.5522,  
93.8664


489.7200,  
500.1486, 561.4208

 61.5386, 60.9965,  
70.6002


134.8718,  
135.5459, 154.6796

 44.9141, 44.2223,  
51.5361


168.3541,  
169.7526, 193.0637

 31.5908, 30.8453,  
36.2558


206.9642,  
209.2785, 237.3242

 21.2032, 20.4811,  
24.3406

251.0675,  
254.5079, 287.8795

 13.3859, 12.7452,  
15.3719

301.0294,  
305.8252, 345.1483

 7.7736, 7.2534,  
8.9313

357.2152,

 4.0010, 3.6210,

363.6148, 409.5491

4.6002

419.9903,  
428.2611, 481.5005

■ 1.7027, 1.4639,  
1.9601

■ 0.4580, 0.2631,  
0.5305

■ 81.8294, 81.5522,  
93.8664

■ 81.8294, 81.5522,  
93.8664

■ 74.1961, 68.3946,  
84.8179

■ 90.5059, 96.6854,  
103.5993

■ 67.5572, 57.1197,  
76.4296

■ 92.1684, 98.5145,  
108.7651

■ 61.8699, 47.6430,  
68.6834

■ 57.0860, 39.8692,  
61.5581

■ 53.1525, 33.6942,  
55.0309

■ 50.0109, 29.0025,  
49.0768

■ 47.5944, 25.6627,  
43.6683

■ 45.8251, 23.5205,  
38.7737

■ 44.5990, 22.3698,  
34.3524

# Harmonies

## Analogous

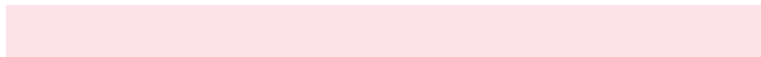
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3489, 81.5522, 99.5855



81.8294, 81.5522, 93.8664



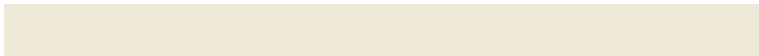
82.1418, 81.5522, 87.0480

# Triad

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



81.8294, 81.5522, 93.8664



76.9000, 81.5522, 76.4194



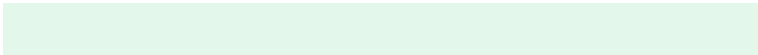
73.9449, 81.5522, 97.0655

# Complementary

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



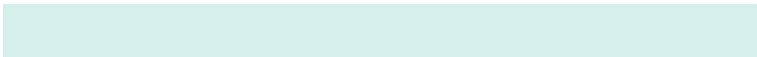
81.8294, 81.5522, 93.8664



80.2542, 89.0160, 91.5535

# 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.



73.0613, 81.5522, 90.5682



81.8294, 81.5522, 93.8664



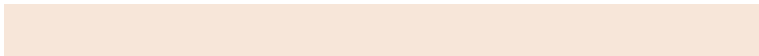
74.7445, 81.5522, 78.8162

# Square

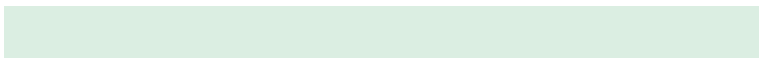
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



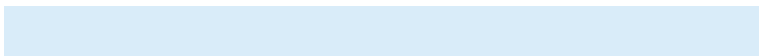
81.8294, 81.5522, 93.8664



79.2635, 81.5522, 77.2018



73.3510, 81.5522, 83.9125



75.7883, 81.5522, 101.4975

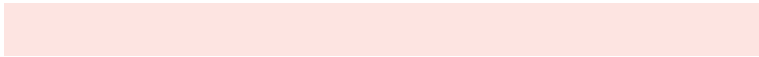


# Rectangle

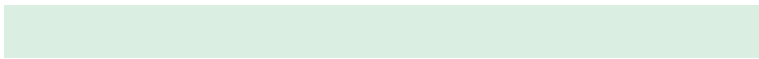
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



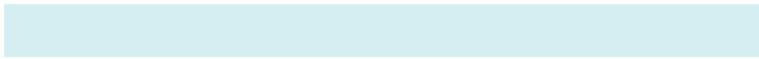
81.8294, 81.5522, 93.8664



81.6398, 81.5522, 82.8345



73.3510, 81.5522, 83.9125



73.5275, 81.5522, 95.0379

# Sweetspot

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



81.8317, 81.5557, 93.8682



93.1434, 96.6686, 106.7790



78.7850, 79.8626, 99.2597



19.9565, 20.7260, 22.8774



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

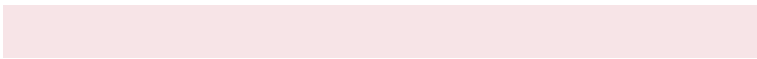
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8317, 81.5557, 93.8682



86.8287, 85.6886, 99.5895



80.4620, 81.0078, 86.6553



16.9395, 16.6586, 19.4278



23.5297, 11.7553, 18.0296



2.1175, 1.0530, 1.8450



# Inverse Universe

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



81.8317, 81.5557, 93.8682



86.8287, 85.6886, 99.5895



81.6584, 89.5776, 98.9480



16.9395, 16.6586, 19.4278



23.5297, 11.7553, 18.0296

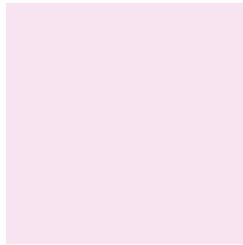


2.1175, 1.0530, 1.8450



# Previews

## White Background



This preview shows how the XYZ color 81.8294, 81.5522, 93.8664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

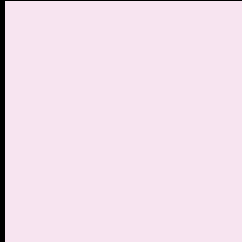
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8294, 81.5522, 93.8664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

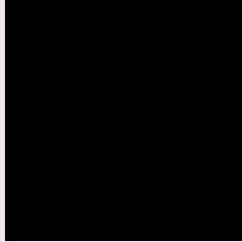
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.8294, 81.5522, 93.8664

## Background



This preview shows how black text looks on a background with the XYZ color 81.8294, 81.5522, 93.8664.



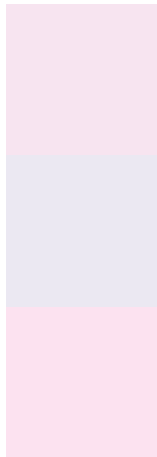
This preview shows how white text looks on a background with the XYZ color 81.8294, 81.5522,

93.8664.

# 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

81.8294, 81.5522, 93.8664

### Protanopia

79.1446, 81.7862, 95.6193

### Deuteranopia

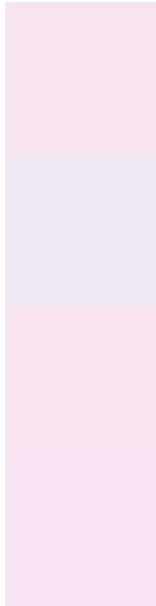
83.0694, 81.3794, 93.7676



## Tritanopia

82.6619, 81.4872, 97.7581

# Trichromacy



## Original Color

81.8294, 81.5522, 93.8664

## Protanomaly

80.0497, 81.8534, 94.7993

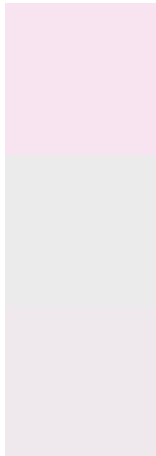
## Deuteranomaly

82.6216, 81.5534, 93.8248

## Tritanomaly

82.3581, 81.3657, 96.1584

# Monochromacy



## Original Color

81.8294, 81.5522, 93.8664

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.7393, 82.1784, 91.7801

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8294, 81.5522, 93.8664 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(247, 228, 240) looks like.

```
.text, #text, p{  
    color:rgb(247, 228, 240)  
}
```

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(247, 228, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 228, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8294, 81.5522, 93.8664 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(247, 228, 240) }
```



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

```
.border{ border-color:rgb(247, 228, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 228, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 228, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 228, 240);  
box-shadow:4px 4px 4px 4px rgb(247, 228,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8294, 81.5522, 93.8664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 228, 240) }
```

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

```
.background{ background-color: rgb(247,  
228, 240) }
```

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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