

# Converting Colors

XYZ(81.4844, 81.8590, 98.8922)

Have a look what the booklet for  
XYZ(81.4844, 81.8590, 98.8922)  
contains.

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# Color

**XYZ(81.2718, 81.5697,  
98.6498)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2E5F6
RGB	242, 229, 246
RGB Percent	95%, 90%, 96%
CMY	0.0510, 0.1019, 0.0353
CMYK	0.02, 0.07, 0.00, 0.04
HSL	286°, 49%, 93%
HSV	286°, 7%, 96%
XYZ	81.2718, 81.5697, 98.6498
YIQ	234.8250, 2.2910, 8.0430

# Conversions

## Conversions Part 2

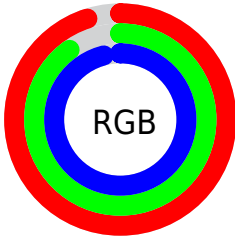
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 229, 246
Decimal	15918582
CIE Lab	92.38, 7.40, -6.66
CIE LCh	92, 9.953, 318.020
Yxy	81.5697, 0.3108, 0.3119
Android (android.graphics.Color)	4294108662 (0xFF F2E5F6)
YUV	234.8250, 5.5093, 6.2925
Hunter-Lab	90.3159, 2.5723, -1.5398

# Details

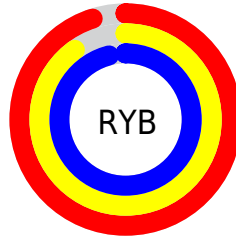
The XYZ color **81.2718, 81.5697, 98.6498** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.7060, 88.8945, 87.0376**, and the grayscale version is **78.7928, 82.8961, 90.2739**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6800, 44.4289, 54.9359** is the 20% darker color. If you saturate the color by 10%, you get **72.9867, 67.9019, 96.4495**, and if you desaturate by 10%, it is **90.5890, 97.2059, 101.1780**.

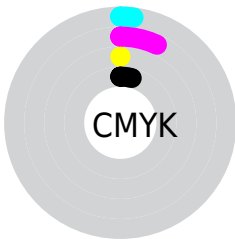
# Distribution



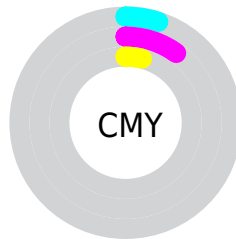
- Red (95%)
- Green (90%)
- Blue (96%)



- Red (95%)
- Yellow (90%)
- Blue (96%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (5%)
- Magenta (10%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2718, 81.5697, 98.6498 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 81.2718, 81.5697, 98.6498 by changing the saturation by 10% instead.



81.2718, 81.5697,  
98.6498

81.2718, 81.5697,  
98.6498

487.8801,  
500.2072, 577.0647

61.0775, 61.0109,  
74.5628

134.0935,  
135.5704, 161.3361

44.5405, 44.2340,  
54.7552

167.4517,  
169.7811, 200.7725

31.2954, 30.8545,  
38.8085

205.9285,  
209.3113, 246.1625

20.9768, 20.4881,  
26.3041

249.8893,  
254.5452, 297.9246

13.2194, 12.7503,  
16.8235

299.6996,  
305.8674, 356.4773

7.6579, 7.2568,  
9.9481

355.7245,

3.9268, 3.6232,

363.6622, 422.2392

5.2594

418.3296,  
428.3140, 495.6288

■ 1.6608, 1.4651,  
2.3389

■ 0.4315, 0.2640,  
0.7529

■ 81.2718, 81.5697,  
98.6498

■ 81.2718, 81.5697,  
98.6498

■ 72.9867, 67.9019,  
96.4495

■ 90.5890, 97.2059,  
101.1780

■ 65.6857, 56.1109,  
94.5585

■ 93.1145, 99.1657,  
101.4232

■ 59.3274, 46.1136,  
92.9639

■ 93.6348, 99.4339,  
101.4476

■ 53.8645, 37.8164,  
91.6503

■ 49.2456, 31.1172,  
90.6007

■ 45.4135, 25.9027,  
89.7961

■ 42.3036, 22.0443,  
89.2153

■ 39.8401, 19.3916,  
88.8331

■ 37.9266, 17.7528,  
88.6177

# Harmonies

## Analogous

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



79.0726, 81.5697, 103.0058



81.2718, 81.5697, 98.6498



82.4785, 81.5697, 91.7938

# Triad

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



81.2718, 81.5697, 98.6498



78.5626, 81.5697, 75.6440



72.9122, 81.5697, 93.2784

# Complementary

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



81.2718, 81.5697, 98.6498



80.7060, 88.8945, 87.0376

# 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.



72.7826, 81.5697, 85.9024



81.2718, 81.5697, 98.6498



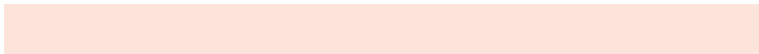
76.0067, 81.5697, 75.9923

# Square

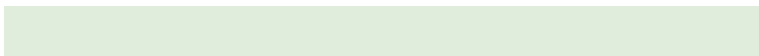
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



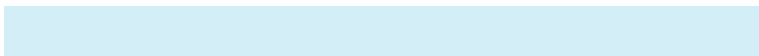
81.2718, 81.5697, 98.6498



80.8914, 81.5697, 78.6782



73.9040, 81.5697, 79.6576



74.2622, 81.5697, 99.7883

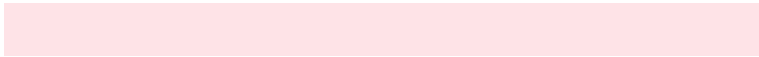


# Rectangle

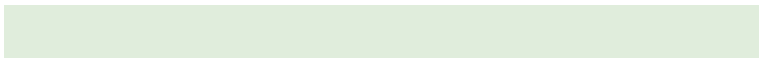
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2718, 81.5697, 98.6498



82.5405, 81.5697, 86.8502



73.9040, 81.5697, 79.6576



72.7256, 81.5697, 90.8103

# Sweetspot

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



81.2742, 81.5732, 98.6516



93.0043, 96.5621, 108.3442



78.1607, 81.7350, 98.8469



19.9282, 20.7043, 23.1959



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.



81.2742, 81.5732, 98.6516



87.1396, 86.7686, 106.7630



82.0173, 82.0308, 95.3204



16.8101, 16.5603, 20.8530



20.0928, 9.3325, 47.2804



1.8558, 0.8666, 4.1597



# Inverse Universe

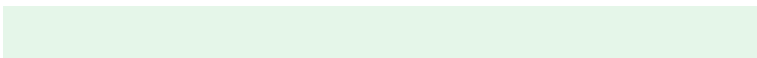
The Inverse Universe completely reimagines the original color for something new.



80.7362, 81.5184, 88.5743



86.4733, 86.7036, 94.1502



80.0155, 88.4691, 90.1406



16.6589, 16.5464, 17.9505



20.7372, 10.6383, 3.3246

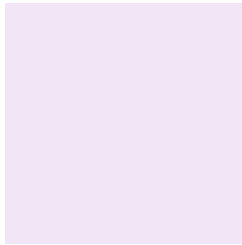


1.8609, 0.9503, 0.4938



# Previews

## White Background



This preview shows how the XYZ color 81.2718, 81.5697, 98.6498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

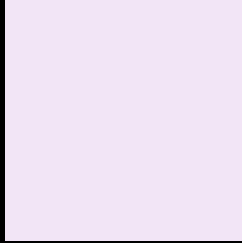
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2718, 81.5697, 98.6498 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

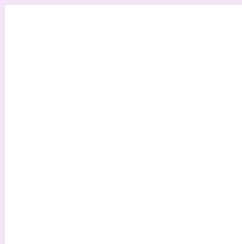
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.2718, 81.5697, 98.6498

## Background



This preview shows how black text looks on a background with the XYZ color 81.2718, 81.5697, 98.6498.



This preview shows how white text looks on a background with the XYZ color 81.2718, 81.5697,

98.6498.

# 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

81.2718, 81.5697, 98.6498

### Protanopia

79.4042, 81.8142, 100.4136

### Deuteranopia

83.4092, 81.4321, 99.3175



## Tritanopia

81.4258, 81.6313, 99.4605

# Trichromacy



## Original Color

81.2718, 81.5697, 98.6498

## Protanomaly

79.9565, 81.7001, 99.5512

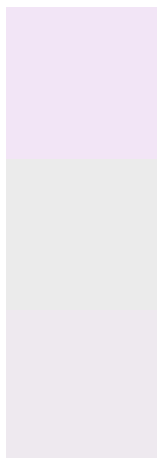
## Deuteranomaly

82.6154, 81.4277, 99.3585

## Tritanomaly

81.4258, 81.6313, 99.4605

# Monochromacy



## Original Color

81.2718, 81.5697, 98.6498

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.9788, 82.6870, 93.4062

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2718, 81.5697, 98.6498 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(242, 229, 246) looks like.

```
.text, #text, p{  
    color:rgb(242, 229, 246)  
}
```

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(242, 229, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 229, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2718, 81.5697, 98.6498 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(242, 229, 246) }
```



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

```
.border{ border-color:rgb(242, 229, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 229, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 229, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 229, 246);  
box-shadow:4px 4px 4px 4px rgb(242, 229,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2718, 81.5697, 98.6498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 229, 246) }
```

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

```
.background{ background-color: rgb(242,  
229, 246) }
```

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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