

# Converting Colors

XYZ(82.8226, 82.1769, 98.1661)

Have a look what the booklet for  
XYZ(82.8226, 82.1769, 98.1661)  
contains.

<b>XYZ(82.8585, 82.4054, 97.9249)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.8585, 82.4054,  
97.9249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E5F5
RGB	247, 229, 245
RGB Percent	97%, 90%, 96%
CMY	0.0314, 0.1019, 0.0392
CMYK	0.00, 0.07, 0.01, 0.03
HSL	307°, 53%, 93%
HSV	307°, 7%, 97%
XYZ	82.8585, 82.4054, 97.9249
YIQ	236.2060, 5.5920, 8.7920

# Conversions

## Conversions Part 2

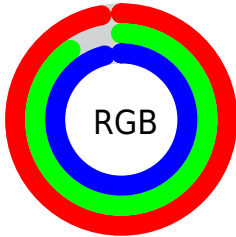
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 229, 245
Decimal	16246261
CIE <sub>Lab</sub>	92.75, 8.88, -5.55
CIE <sub>LCh</sub>	93, 10.467, 328.006
Y <sub>xy</sub>	82.4054, 0.3148, 0.3131
Android (android.graphics.Color)	4294436341 (0xFFFF7E5F5)
YUV	236.2060, 4.3354, 9.4663
Hunter-Lab	90.7774, 4.0682, -0.4141

# Details

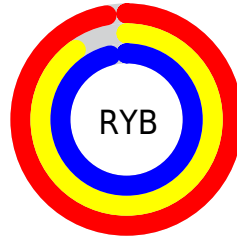
The XYZ color **82.8585, 82.4054, 97.9249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0008, 88.9512, 88.5584**, and the grayscale version is **79.8535, 84.0121, 91.4891**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8072, 45.0226, 54.4200** is the 20% darker color. If you saturate the color by 10%, you get **76.0895, 69.5319, 93.6171**, and if you desaturate by 10%, it is **90.6108, 97.2332, 102.5931**.

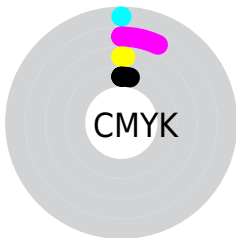
# Distribution



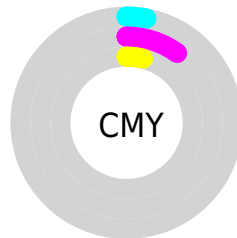
- Red (97%)
- Green (90%)
- Blue (96%)



- Red (97%)
- Yellow (90%)
- Blue (96%)



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (3%)




- Cyan (3%)
- Magenta (10%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8585, 82.4054, 97.9249 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 82.8585, 82.4054, 97.9249 by changing the saturation by 10% instead.




 82.8585, 82.4054,  
97.9249

 82.8585, 82.4054,  
97.9249


493.1059,  
503.0027, 574.7088

 62.3899, 61.6998,  
73.9615


136.3068,  
136.7424, 160.3295

 45.6046, 44.7901,  
54.2659


170.0173,  
171.1425, 199.6078

 32.1373, 31.2922,  
38.4197


208.8724,  
210.8762, 244.8280

 21.6224, 20.8214,  
26.0042

253.2376,  
256.3279, 296.4089

 13.6948, 12.9935,  
16.6010

303.4782,  
307.8820, 354.7689

 7.9890, 7.4241,  
9.7915

359.9595,

 4.1396, 3.7287,

365.9229, 420.3265

5.1571

423.0470,  
430.8350, 493.5002

■ 1.7814, 1.5230,  
2.2794

■ 0.5064, 0.3048,  
0.7196

■ 82.8585, 82.4054,  
97.9249

■ 82.8585, 82.4054,  
97.9249

■ 76.0895, 69.5319,  
93.6171

■ 90.6108, 97.2332,  
102.5931

■ 70.2557, 58.5202,  
89.6507

■ 91.4508, 98.2274,  
104.9870

■ 65.3158, 49.2864,  
86.0126

■ 91.8856, 98.4014,  
107.2768

■ 61.2226, 41.7361,  
82.6870

■ 92.1683, 98.5144,  
108.7651

■ 57.9243, 35.7659,  
79.6566

■ 55.3637, 31.2613,  
76.9020

■ 53.4757, 28.0922,  
74.4016

■ 52.1837, 26.1056,  
72.1296

■ 51.3886, 25.1030,  
70.0527

# Harmonies

## Analogous

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



80.8135, 82.4054, 103.6571



82.8585, 82.4054, 97.9249



83.6854, 82.4054, 90.2495

# Triad

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



82.8585, 82.4054, 97.9249



78.5066, 82.4054, 75.5303



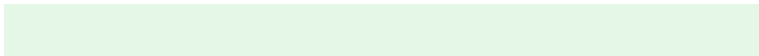
73.7821, 82.4054, 96.9679

# Complementary

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



82.8585, 82.4054, 97.9249



80.0008, 88.9512, 88.5584

# 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.



73.1964, 82.4054, 89.2035



82.8585, 82.4054, 97.9249



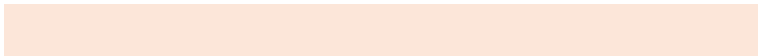
75.8859, 82.4054, 77.1017

# Square

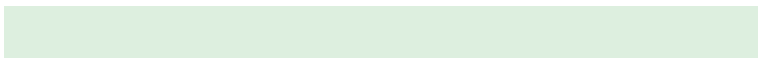
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8585, 82.4054, 97.9249



81.1368, 82.4054, 77.5753



73.9578, 82.4054, 81.9970



75.5767, 82.4054, 103.0824

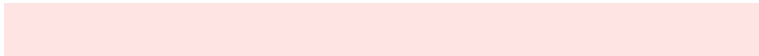


# Rectangle

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



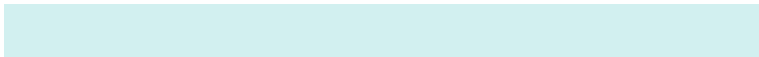
82.8585, 82.4054, 97.9249



83.4205, 82.4054, 85.1603



73.9578, 82.4054, 81.9970



73.4392, 82.4054, 94.4509

# Sweetspot

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



82.8609, 82.4090, 97.9267



93.3534, 96.7526, 107.8849



77.7019, 79.7139, 99.2879



19.9992, 20.7430, 23.1025



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.



82.8609, 82.4090, 97.9267



87.7527, 86.0582, 104.4552



81.5492, 81.8843, 91.0196



17.1296, 16.7347, 20.4292



27.1199, 13.1914, 36.9351



2.4058, 1.1683, 3.3631



# Inverse Universe

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



82.8609, 82.4090, 97.9267



87.7527, 86.0582, 104.4552



81.2751, 89.4610, 95.2689



17.1296, 16.7347, 20.4292



27.1199, 13.1914, 36.9351

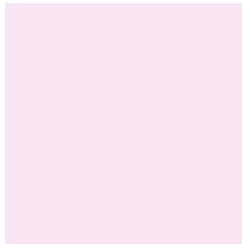


2.4058, 1.1683, 3.3631



# Previews

## White Background



This preview shows how the XYZ color 82.8585, 82.4054, 97.9249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

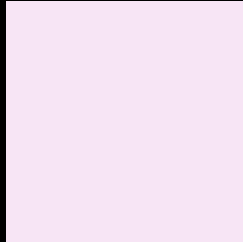
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8585, 82.4054, 97.9249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

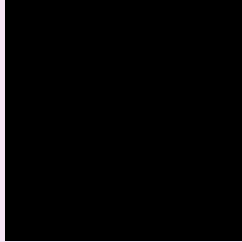
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.8585, 82.4054, 97.9249**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8585, 82.4054, 97.9249.



This preview shows how white text looks on a background with the XYZ color 82.8585, 82.4054,

97.9249.

# 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

82.8585, 82.4054, 97.9249

### Protanopia

80.1884, 82.6554, 99.7234

### Deuteranopia

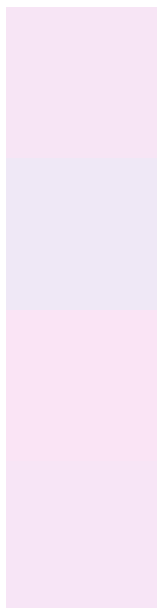
84.0954, 82.2262, 97.8251



## Tritanopia

83.1656, 82.5282, 99.5419

# Trichromacy



## Original Color

82.8585, 82.4054, 97.9249

## Protanomaly

81.0878, 82.7178, 98.8811

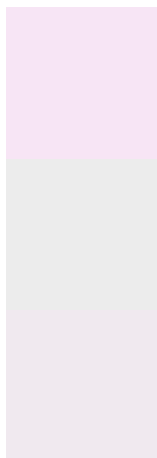
## Deuteranomaly

83.6492, 82.4034, 97.8829

## Tritanomaly

83.0116, 82.4666, 98.7312

# Monochromacy



## Original Color

82.8585, 82.4054, 97.9249

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.6541, 83.0351, 93.4378

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8585, 82.4054, 97.9249 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, 229, 245) looks like.

```
.text, #text, p{  
    color:rgb(247, 229, 245)  
}
```

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, 229, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 229, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8585, 82.4054, 97.9249 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, 229, 245) }
```



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

```
.border{ border-color:rgb(247, 229, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 229, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 229, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 229, 245);  
box-shadow:4px 4px 4px 4px rgb(247, 229,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8585, 82.4054, 97.9249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 229, 245) }
```

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

```
.background{ background-color: rgb(247,  
229, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor