

# Converting Colors

XYZ(85.2379, 84.6193,  
100.2180)

Have a look what the booklet for  
XYZ(85.2379, 84.6193, 100.2180)  
contains.

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# Color

**XYZ(85.1481, 84.3765,  
99.7942)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBE7F7
RGB	251, 231, 247
RGB Percent	98%, 91%, 97%
CMY	0.0157, 0.0941, 0.0314
CMYK	0.00, 0.08, 0.02, 0.02
HSL	312°, 71%, 95%
HSV	312°, 8%, 98%
XYZ	85.1481, 84.3765, 99.7942
YIQ	238.8040, 6.7840, 9.2160

# Conversions

## Conversions Part 2

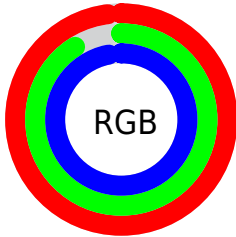
Format	Color
R <sub>Y</sub> B	251, 231, 247
Decimal	16508919
CIE Lab	93.61, 9.53, -5.28
CIE LCh	94, 10.896, 330.993
Yxy	84.3765, 0.3162, 0.3133
Android (android.graphics.Color)	4294698999 (0xFFFB E7F7)
YUV	238.8040, 4.0406, 10.6959
Hunter-Lab	91.8567, 4.7144, -0.1137

# Details

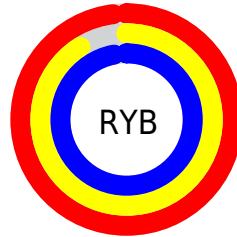
The XYZ color **85.1481, 84.3765, 99.7942** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.4508, 91.9837, 92.0108**, and the grayscale version is **81.8597, 86.1227, 93.7877**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9821, 45.8909, 55.6718** is the 20% darker color. If you saturate the color by 10%, you get **77.8569, 71.0164, 93.5930**, and if you desaturate by 10%, it is **93.1185, 99.0592, 106.3268**.

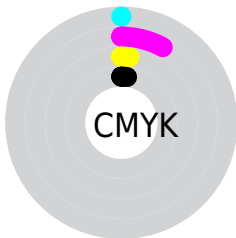
# Distribution



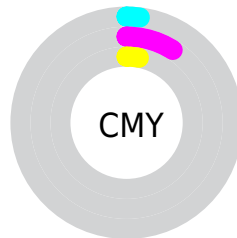
- Red (98%)
- Green (91%)
- Blue (97%)



- Red (98%)
- Yellow (91%)
- Blue (97%)



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




- Cyan (2%)
- Magenta (9%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1481, 84.3765, 99.7942 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 85.1481, 84.3765, 99.7942 by changing the saturation by 10% instead.




 85.1481, 84.3765,  
99.7942

 85.1481, 84.3765,  
99.7942


500.5943,  
509.5627, 580.7737

 64.2867, 63.3263,  
75.5128


139.4930,  
139.5017, 162.9237

 47.1454, 46.1053,  
55.5288


173.7072,  
174.3456, 202.6089

 33.3591, 32.3289,  
39.4238


213.1031,  
214.5561, 248.2658

 22.5622, 21.6128,  
26.7792

258.0459,  
260.5177, 300.3128

 14.3895, 13.5727,  
17.1765

308.9011,  
312.6147, 359.1686

 8.4756, 7.8241,  
10.1971

366.0340,

 4.4551, 3.9826,

371.2317, 425.2516

5.4225

429.8099,  
436.7528, 498.9805

■ 1.9627, 1.6638,  
2.4342

■ 0.6129, 0.4001,  
0.8050

■ 85.1481, 84.3765,  
99.7942

■ 85.1481, 84.3765,  
99.7942

■ 77.8569, 71.0164,  
93.5930

■ 93.1185, 99.0592,  
106.3268

■ 71.5487, 59.5903,  
87.8206

■ 93.5942, 99.2495,  
108.8319

■ 66.1800, 50.0104,  
82.4628

■ 61.7013, 42.1778,  
77.5021

■ 58.0583, 35.9842,  
72.9197

■ 55.1907, 31.3096,  
68.6947

■ 53.0301, 28.0170,  
64.8034

■ 51.4957, 25.9453,  
61.2180

■ 50.4780, 24.8757,  
57.9011

# Harmonies

## Analogous

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



83.0884, 84.3765, 106.1770



85.1481, 84.3765, 99.7942



85.8736, 84.3765, 91.5965

# Triad

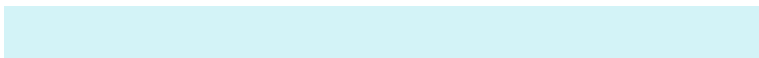
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1481, 84.3765, 99.7942



80.1012, 84.3765, 76.8826



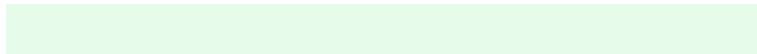
75.5346, 84.3765, 100.2991

# Complementary

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



85.1481, 84.3765, 99.7942



82.4508, 91.9837, 92.0108

# 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.



74.7769, 84.3765, 92.1473



85.1481, 84.3765, 99.7942



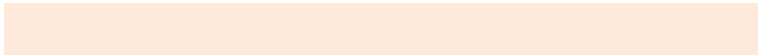
77.3742, 84.3765, 78.9127

# Square

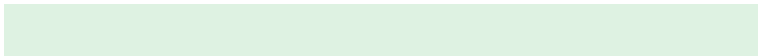
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



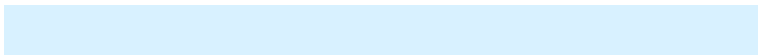
85.1481, 84.3765, 99.7942



82.9179, 84.3765, 78.6641



75.4423, 84.3765, 84.3799



77.5369, 84.3765, 106.4806

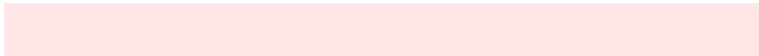


# Rectangle

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



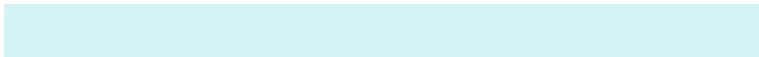
85.1481, 84.3765, 99.7942



85.4896, 84.3765, 86.2959



75.4423, 84.3765, 84.3799



75.1281, 84.3765, 97.6826

# Sweetspot

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



85.1505, 84.3802, 99.7960



93.2807, 96.7235, 107.5020



80.2530, 81.7833, 102.8240



19.9844, 20.7371, 23.0246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

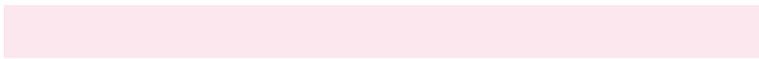
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1505, 84.3802, 99.7960



86.6373, 84.4715, 102.0977



83.6485, 83.7794, 91.8866



17.8355, 17.4616, 20.9894



26.4939, 13.0133, 30.3730



2.4903, 1.2198, 3.0052



# Inverse Universe

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



85.1505, 84.3802, 99.7960



86.6373, 84.4715, 102.0977



83.9364, 92.5780, 99.8339



17.8355, 17.4616, 20.9894



26.4939, 13.0133, 30.3730

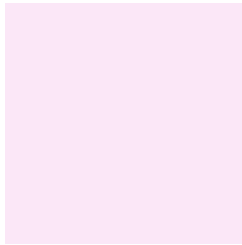


2.4903, 1.2198, 3.0052



# Previews

## White Background



This preview shows how the XYZ color 85.1481, 84.3765, 99.7942 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

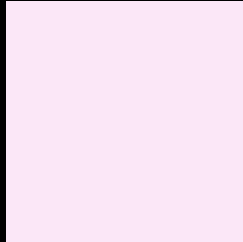
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.1481, 84.3765, 99.7942 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

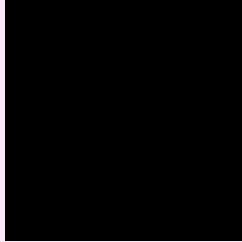
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.1481, 84.3765, 99.7942

## Background



This preview shows how black text looks on a background with the XYZ color 85.1481, 84.3765, 99.7942.



This preview shows how white text looks on a background with the XYZ color 85.1481, 84.3765,

99.7942.

# 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

85.1481, 84.3765, 99.7942

### Protanopia

81.8887, 84.3233, 102.4025

### Deuteranopia

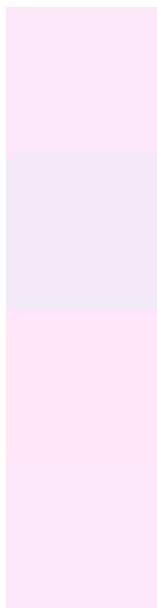
86.3253, 84.5690, 99.7693



## Tritanopia

85.4585, 84.5006, 101.4286

# Trichromacy



## Original Color

85.1481, 84.3765, 99.7942

## Protanomaly

83.1397, 84.5624, 101.5628

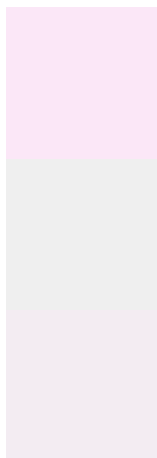
## Deuteranomaly

85.9584, 84.3799, 99.7521

## Tritanomaly

85.3029, 84.4384, 100.6092

# Monochromacy



## Original Color

85.1481, 84.3765, 99.7942

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.9846, 85.4564, 96.1254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.1481, 84.3765, 99.7942 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(251, 231, 247) looks like.

```
.text, #text, p{  
    color:rgb(251, 231, 247)  
}
```

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(251, 231, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 231, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 85.1481, 84.3765, 99.7942 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(251, 231, 247) }
```



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

```
.border{ border-color:rgb(251, 231, 247) }
```

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

Here you see how a box with a 4 pixel rgb(251, 231, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 231, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 231, 247);  
box-shadow:4px 4px 4px 4px rgb(251, 231,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.1481, 84.3765, 99.7942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 231, 247) }
```

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

```
.background{ background-color: rgb(251,  
231, 247) }
```

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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