

# Converting Colors

XYZ(84.9952, 83.1719, 98.6908)

Have a look what the booklet for  
XYZ(84.9952, 83.1719, 98.6908)  
contains.

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# Color

**XYZ(84.8860, 83.0233,  
98.7399)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FDE4F6                    |
| RGB         | 253, 228, 246             |
| RGB Percent | 99%, 89%, 96%             |
| CMY         | 0.0078, 0.1059, 0.0353    |
| CMYK        | 0.00, 0.10, 0.03, 0.01    |
| HSL         | 317°, 86%, 94%            |
| HSV         | 317°, 10%, 99%            |
| XYZ         | 84.8860, 83.0233, 98.7399 |
| YIQ         | 237.5270, 9.1220, 10.8980 |

# Conversions

## Conversions Part 2

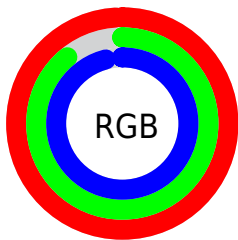
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>YB</sub>                     | 253, 228, 246                |
| Decimal                             | 16639222                     |
| CIE <sub>Lab</sub>                  | 93.02, 11.57, -5.61          |
| CIE <sub>LCh</sub>                  | 93, 12.862, 334.128          |
| Y <sub>xy</sub>                     | 83.0233, 0.3183,<br>0.3114   |
| Android<br>(android.graphics.Color) | 4294829302<br>(0xFFFDE4F6)   |
| YUV                                 | 237.5270, 4.1772,<br>13.5698 |
| Hunter-Lab                          | 91.1171, 6.8382,<br>-0.4682  |

# Details

The XYZ color **84.8860, 83.0233, 98.7399** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.1188, 92.7450, 92.1752**, and the grayscale version is **80.8684, 85.0798, 92.6519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0028, 45.3406, 54.9895** is the 20% darker color. If you saturate the color by 10%, you get **77.3627, 69.6830, 90.9692**, and if you desaturate by 10%, it is **93.4740, 98.4243, 107.0722**.

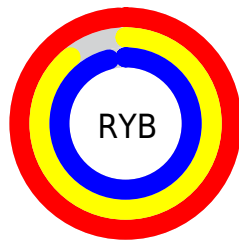
# Distribution



Red (99%)

Green (89%)

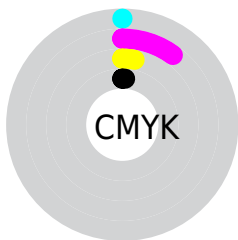
Blue (96%)



Red (99%)

Yellow (89%)

Blue (96%)

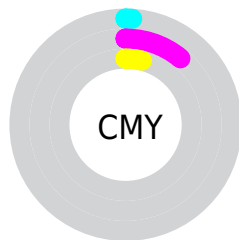


Cyan (0%)

Magenta (10%)

Yellow (3%)

Black (1%)



Cyan (1%)

Magenta (11%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8860, 83.0233, 98.7399 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 84.8860, 83.0233, 98.7399 by changing the saturation by 10% instead.



 84.8860, 83.0233,  
98.7399

 84.8860, 83.0233,  
98.7399


499.7401,  
505.0642, 577.3572

 64.0694, 62.2094,  
74.6376


139.1287,  
137.6081, 161.4612

 46.9688, 45.2019,  
54.8161


173.2856,  
172.1477, 200.9172

 33.2188, 31.6165,  
38.8569


212.6198,  
212.0314, 246.3283

 22.4541, 21.0687,  
26.3414

257.4969,  
257.6436, 298.1128

 14.3094, 13.1743,  
16.8512

308.2821,  
309.3685, 356.6895

 8.4193, 7.5486,  
9.9676

365.3408,

 4.4185, 3.8075,

367.5906, 422.4767

5.2722

429.0383,  
432.6944, 495.8931

■ 1.9415, 1.5665,  
2.3463

■ 0.6008, 0.3348,  
0.7570

■ 84.8860, 83.0233,  
98.7399

■ 84.8860, 83.0233,  
98.7399

■ 77.3627, 69.6830,  
90.9692

■ 93.4740, 98.4243,  
107.0722

■ 70.8524, 58.3043,  
83.7375

■ 94.3186, 99.6229,  
108.8658

■ 65.3098, 48.7960,  
77.0286

■ 60.6833, 41.0556,  
70.8229

■ 56.9161, 34.9705,  
65.0991

■ 53.9451, 30.4153,  
59.8338

■ 51.6981, 27.2462,  
55.0003

■ 50.0892, 25.2923,  
50.5677

■ 48.9795, 24.2766,  
46.4870

# Harmonies

## Analogous

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



82.6026, 83.0233, 106.6458



84.8860, 83.0233, 98.7399



85.5519, 83.0233, 89.0690

# Triad

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



84.8860, 83.0233, 98.7399



78.4456, 83.0233, 73.1240



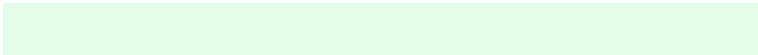
73.6681, 83.0233, 101.2143

# Complementary

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



84.8860, 83.0233, 98.7399



82.1188, 92.7450, 92.1752

# 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.



72.6233, 83.0233, 91.7407



84.8860, 83.0233, 98.7399



75.3314, 83.0233, 75.8908

# Square

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



84.8860, 83.0233, 98.7399



81.7725, 83.0233, 74.7082



73.2235, 83.0233, 82.5402



76.1174, 83.0233, 108.1443

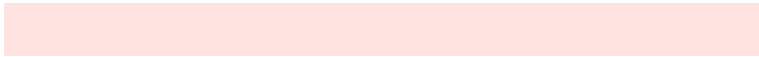


# Rectangle

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



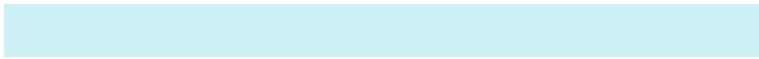
84.8860, 83.0233, 98.7399



84.9735, 83.0233, 83.0228



73.2235, 83.0233, 82.5402



73.1442, 83.0233, 98.1981

# Sweetspot

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



84.8884, 83.0269, 98.7417



92.3148, 95.0786, 106.2961



79.6275, 80.1883, 104.2109



19.6063, 20.0762, 22.6047



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

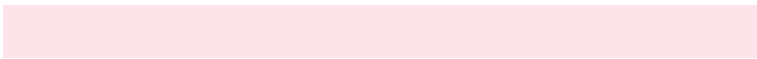
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8884, 83.0269, 98.7417



84.7040, 81.4669, 98.7959



83.0817, 82.3042, 89.2275



18.5629, 18.2085, 21.5816



26.1138, 12.9348, 25.0477



2.5892, 1.2781, 2.6843



# Inverse Universe

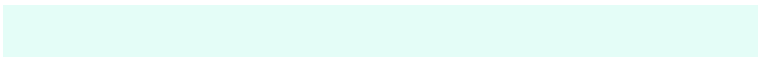
The Inverse Universe completely reimagines the original color for something new.



84.8884, 83.0269, 98.7417



84.7040, 81.4669, 98.7959



83.9372, 93.4724, 101.7507



18.5629, 18.2085, 21.5816



26.1138, 12.9348, 25.0477

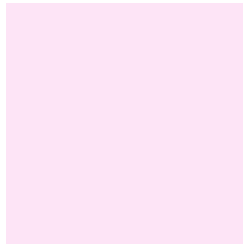


2.5892, 1.2781, 2.6843



# Previews

## White Background



This preview shows how the XYZ color 84.8860, 83.0233, 98.7399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

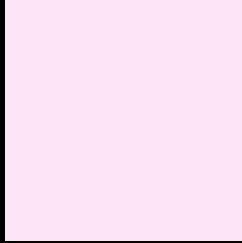
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.8860, 83.0233, 98.7399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

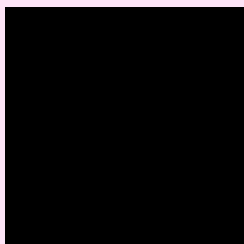
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.8860, 83.0233, 98.7399**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.8860, 83.0233, 98.7399.



This preview shows how white text looks on a background with the XYZ color 84.8860, 83.0233,

98.7399.

# 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

84.8860, 83.0233, 98.7399

### Protanopia

80.7827, 83.3474, 101.4525

### Deuteranopia

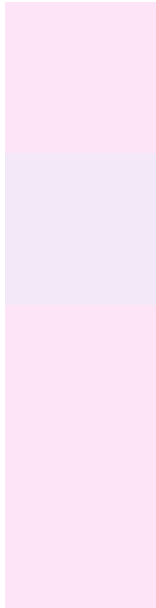
84.8860, 83.0233, 98.7399



## Tritanopia

84.8860, 83.0233, 98.7399

# Trichromacy



## Original Color

84.8860, 83.0233, 98.7399

## Protanomaly

82.4178, 83.3678, 100.5546

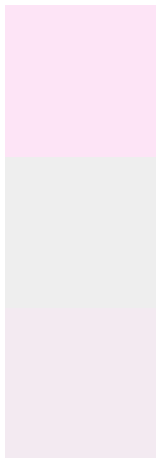
## Deuteranomaly

84.8860, 83.0233, 98.7399

## Tritanomaly

84.8860, 83.0233, 98.7399

# Monochromacy



## Original Color

84.8860, 83.0233, 98.7399

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.2622, 84.2512, 95.1455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8860, 83.0233, 98.7399 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(253, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(253, 228, 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(253, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 228, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8860, 83.0233, 98.7399 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(253, 228, 246) }
```



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

```
.border{ border-color:rgb(253, 228, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 228, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(253, 228,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8860, 83.0233, 98.7399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 228, 246) }
```

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

```
.background{ background-color: rgb(253,  
228, 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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