

Converting Colors

XYZ(83.4534, 84.2501, 99.7043)

Have a look what the booklet for
XYZ(83.4534, 84.2501, 99.7043)
contains.

XYZ(83.5836, 84.4057, 99.8823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.5836, 84.4057,
99.8823)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E9F7
RGB	245, 233, 247
RGB Percent	96%, 91%, 97%
CMY	0.0392, 0.0863, 0.0314
CMYK	0.01, 0.06, 0.00, 0.03
HSL	291°, 47%, 94%
HSV	291°, 6%, 97%
XYZ	83.5836, 84.4057, 99.8823
YIQ	238.1840, 2.6580, 6.8980

Conversions

Conversions Part 2

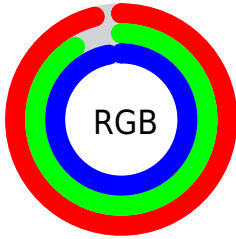
Format	Color
R _Y B	245, 233, 247
Decimal	16116215
CIE Lab	93.63, 6.50, -5.32
CIE LCh	94, 8.402, 320.725
Yxy	84.4057, 0.3120, 0.3151
Android (android.graphics.Color)	4294306295 (0xFF5E9F7)
YUV	238.1840, 4.3463, 5.9776
Hunter-Lab	91.8726, 1.6183, -0.1483

Details

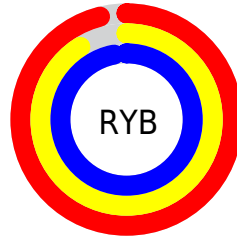
The XYZ color **83.5836, 84.4057, 99.8823** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.2329, 90.0691, 90.1460**, and the grayscale version is **81.3786, 85.6166, 93.2365**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1124, 46.0247, 55.7435** is the 20% darker color. If you saturate the color by 10%, you get **75.8562, 70.7604, 97.6570**, and if you desaturate by 10%, it is **91.4487, 98.2892, 102.1488**.

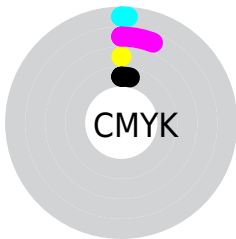
Distribution



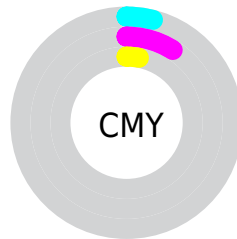
- Red (96%)
- Green (91%)
- Blue (97%)



- Red (96%)
- Yellow (91%)
- Blue (97%)



- Cyan (1%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (4%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5836, 84.4057, 99.8823 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 83.5836, 84.4057, 99.8823 by changing the saturation by 10% instead.

83.5836, 84.4057,
99.8823

83.5836, 84.4057,
99.8823

495.4840,
509.6595, 581.0587

62.9903, 63.3504,
75.5859

137.3168,
139.5425, 163.0459

46.0919, 46.1248,
55.5884

171.1874,
174.3929, 202.7502

32.5233, 32.3443,
39.4712

210.2145,
214.6105, 248.4275

21.9190, 21.6246,
26.8159

254.7633,
260.5796, 300.4964

13.9137, 13.5813,
17.2038

305.1993,
312.6846, 359.3754

8.1419, 7.8301,
10.2164

361.8879,

4.2385, 3.9864,

371.3101, 425.4831

5.4352

425.1943,
436.8402, 499.2381

■ 1.8379, 1.6660,
2.4416

■ 0.5404, 0.4015,
0.8090

■ 83.5836, 84.4057,
99.8823

■ 83.5836, 84.4057,
99.8823

■ 75.8562, 70.7604,
97.6570

■ 91.4487, 98.2892,
102.1488

■ 69.0880, 59.0000,
95.7438

■ 92.7156, 98.9423,
102.2081

■ 63.2381, 49.0416,
94.1299

■ 93.7887, 99.4955,
102.2583

■ 58.2596, 40.7920,
92.8000

■ 54.1018, 34.1493,
91.7370

■ 50.7080, 29.0011,
90.9221

■ 48.0147, 25.2199,
90.3342

■ 45.9474, 22.6573,
89.9486

■ 44.4141, 21.1296,
89.7345

Harmonies

Analogous

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



81.7490, 84.4057, 103.8493



83.5836, 84.4057, 99.8823



84.5230, 84.4057, 93.8930

Triad

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



83.5836, 84.4057, 99.8823



80.9168, 84.4057, 80.3308



76.2888, 84.4057, 96.3091

Complementary

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



83.5836, 84.4057, 99.8823



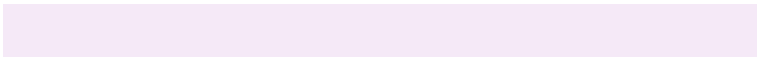
82.2329, 90.0691, 90.1460

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.



76.0754, 84.4057, 89.9422



83.5836, 84.4057, 99.8823



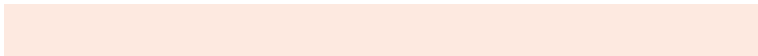
78.7202, 84.4057, 80.9107

Square

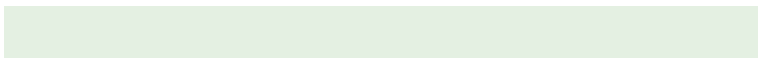
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5836, 84.4057, 99.8823



82.9647, 84.4057, 82.7388



76.9578, 84.4057, 84.3613



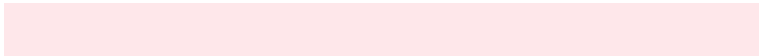
77.5464, 84.4057, 101.7210

Rectangle

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



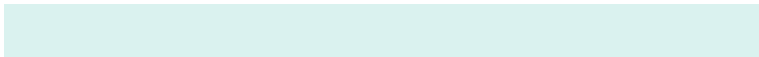
83.5836, 84.4057, 99.8823



84.5036, 84.4057, 89.6416



76.9578, 84.4057, 84.3613



76.0935, 84.4057, 94.2031

Sweetspot

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



83.5860, 84.4093, 99.8841



93.1769, 96.6511, 108.3523



80.1333, 83.5170, 99.8939



19.9633, 20.7224, 23.1976



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.



83.5860, 84.4093, 99.8841



88.6855, 88.6547, 107.0456



83.5414, 84.4725, 95.9873



17.2844, 17.2031, 20.9521



23.2863, 10.9789, 47.4298



2.1091, 0.9971, 4.1715

Inverse Universe

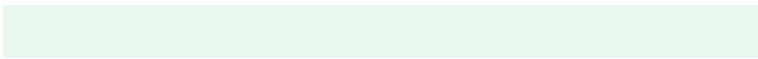
The Inverse Universe completely reimagines the original color for something new.



82.4951, 84.0540, 90.4776



87.2514, 88.1888, 94.6286



82.2859, 90.0145, 93.8528



16.9820, 17.1049, 18.3283



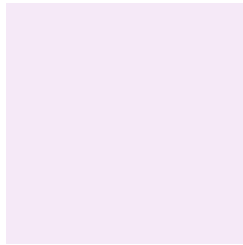
20.4794, 10.5352, 1.9669



1.8289, 0.9375, 0.3252

Previews

White Background



This preview shows how the XYZ color 83.5836, 84.4057, 99.8823 looks on a white background.

Color Contrast Check

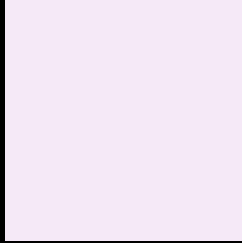
Large Text (above 18pt) WCAG AA × Fail

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 83.5836, 84.4057, 99.8823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

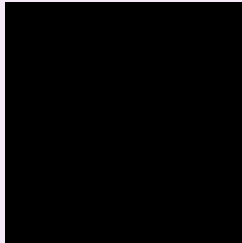
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

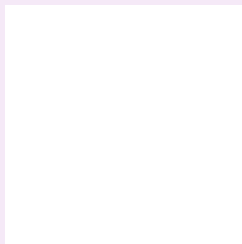
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5836, 84.4057, 99.8823

Background



This preview shows how black text looks on a background with the XYZ color 83.5836, 84.4057, 99.8823.



This preview shows how white text looks on a background with the XYZ color 83.5836, 84.4057,

99.8823.

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

83.5836, 84.4057, 99.8823

Protanopia

81.5767, 84.1985, 100.7593

Deuteranopia

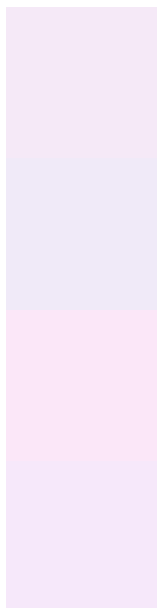
86.4801, 84.6309, 100.5843



Tritanopia

84.2752, 84.2711, 103.0910

Trichromacy



Original Color

83.5836, 84.4057, 99.8823

Protanomaly

82.3013, 84.1482, 100.7114

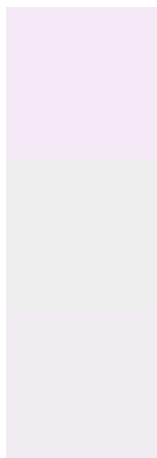
Deuteranomaly

85.3029, 84.4384, 100.6092

Tritanomaly

84.1180, 84.2082, 102.2628

Monochromacy



Original Color

83.5836, 84.4057, 99.8823

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.1483, 85.0426, 95.3043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5836, 84.4057, 99.8823 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(245, 233, 247) looks like.

```
.text, #text, p{  
    color:rgb(245, 233, 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(245, 233, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 233, 247) }
```

Border

The CSS property to change the border of an element to XYZ 83.5836, 84.4057, 99.8823 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(245, 233, 247) }
```


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

```
.border{ border-color:rgb(245, 233, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 233, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 233, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 233, 247);  
box-shadow:4px 4px 4px 4px rgb(245, 233,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5836, 84.4057, 99.8823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 233, 247) }
```

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

```
.background{ background-color: rgb(245,  
233, 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](#).

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