

Converting Colors

XYZ(83.5650, 84.3651, 91.7063)

Have a look what the booklet for
XYZ(83.5650, 84.3651, 91.7063)
contains.

XYZ(83.8493, 84.7162, 92.0533)	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(83.8493, 84.7162,
92.0533)**

Conversions

Conversions Part 1

Format	Color
Hex	FAE9ED
RGB	250, 233, 237
RGB Percent	98%, 91%, 93%
CMY	0.0196, 0.0863, 0.0706
CMYK	0.00, 0.07, 0.05, 0.02
HSL	346°, 63%, 95%
HSV	346°, 7%, 98%
XYZ	83.8493, 84.7162, 92.0533
YIQ	238.5390, 8.8480, 4.8480

Conversions

Conversions Part 2

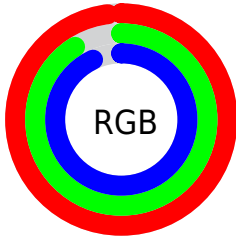
Format	Color
R_{YB}	250, 233, 237
Decimal	16443885
CIE _{Lab}	93.76, 6.43, 0.13
CIE _{LCh}	94, 6.434, 1.147
Yxy	84.7162, 0.3217, 0.3251
Android (android.graphics.Color)	4294633965 (0xFFFAE9ED)
YUV	238.5390, -0.7587, 10.0513
Hunter-Lab	92.0414, 1.5402, 5.1313

Details

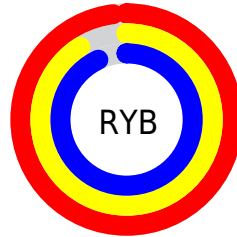
The XYZ color **83.8493, 84.7162, 92.0533** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.4276, 92.3508, 100.5689**, and the grayscale version is **81.6887, 85.9429, 93.5918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0549, 46.1179, 50.1904** is the 20% darker color. If you saturate the color by 10%, you get **74.6212, 70.4944, 75.9207**, and if you desaturate by 10%, it is **93.2348, 99.0642, 108.8151**.

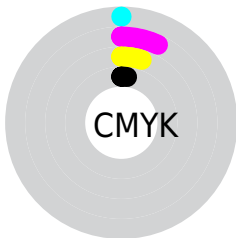
Distribution



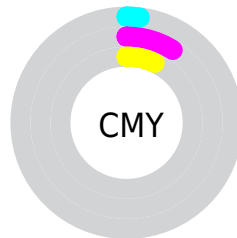
- Red (98%)
- Green (91%)
- Blue (93%)



- Red (98%)
- Yellow (91%)
- Blue (93%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (2%)





- Cyan (2%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8493, 84.7162, 92.0533 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 83.8493, 84.7162, 92.0533 by changing the saturation by 10% instead.


 83.8493, 84.7162,
92.0533

 83.8493, 84.7162,
92.0533

496.3539,
510.6885, 555.4293

 63.2103, 63.6069,
69.1016


137.6867,
139.9766, 152.1476

 46.2707, 46.3324,
50.3222


171.6158,
174.8965, 190.1273

 32.6650, 32.5082,
35.2965


210.7057,
215.1887, 233.9534

 22.0279, 21.7499,
23.6060

255.3217,
261.2377, 284.0445

 13.9941, 13.6733,
14.8321

305.8292,
313.4277, 340.8191

 8.1983, 7.8938,
8.5563

362.5934,

 4.2749, 4.0271,

372.1433, 404.6957

4.3601

425.9799,
437.7687, 476.0929

■ 1.8588, 1.6887,
1.8249

■ 0.5527, 0.4163,
0.4443

■ 83.8493, 84.7162,
92.0533

■ 83.8493, 84.7162,
92.0533

■ 74.6212, 70.4944,
75.9207

■ 93.2348, 99.0642,
108.8151

■ 66.6400, 58.3057,
61.6267

■ 59.8536, 48.0602,
49.1069

■ 54.2031, 39.6568,
38.2908

■ 49.6247, 32.9852,
29.1028

■ 46.0479, 27.9233,
21.4620

■ 43.3936, 24.3330,
15.2798

■ 41.5699, 22.0527,
10.4577

■ 40.4630, 20.8785,
6.8832

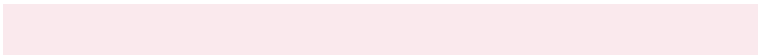
Harmonies

Analogous

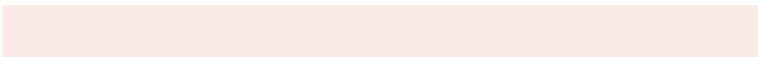
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4317, 84.7162, 96.8562



83.8493, 84.7162, 92.0533



83.3644, 84.7162, 87.4606

Triad

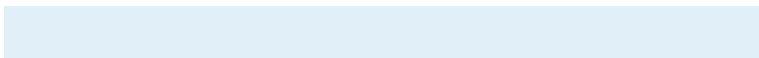
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8493, 84.7162, 92.0533



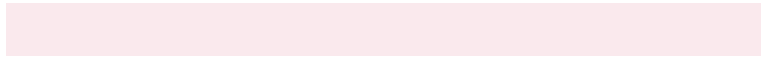
78.8330, 84.7162, 84.4220



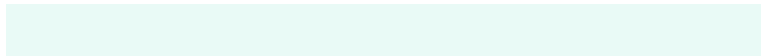
78.9454, 84.7162, 100.7292

Complementary

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



83.8493, 84.7162, 92.0533



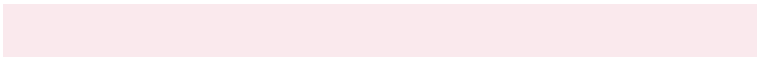
84.4276, 92.3508, 100.5689

Split Complementary

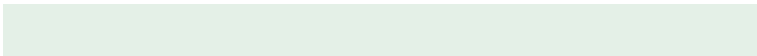
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7415, 84.7162, 97.1936



83.8493, 84.7162, 92.0533



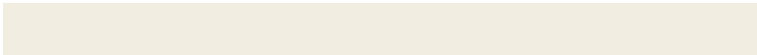
77.6772, 84.7162, 87.7758

Square

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



83.8493, 84.7162, 92.0533



80.4545, 84.7162, 83.1518



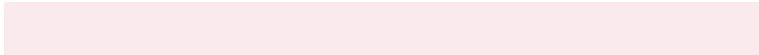
77.2804, 84.7162, 92.4300



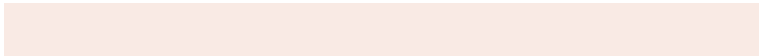
80.5860, 84.7162, 101.9707

Rectangle

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



83.8493, 84.7162, 92.0533



82.5985, 84.7162, 85.1074



77.2804, 84.7162, 92.4300



78.4771, 84.7162, 99.7636

Sweetspot

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



83.8517, 84.7199, 92.0551



92.8228, 96.5404, 105.0905



84.3154, 84.7314, 102.3545



19.8912, 20.6998, 22.5337



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

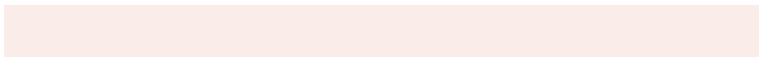
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8517, 84.7199, 92.0551



86.4725, 86.7033, 94.1464



84.4916, 86.9238, 89.4199



17.4118, 17.2921, 18.7584



21.3734, 10.9651, 3.4090



2.0187, 1.0312, 0.5221

Inverse Universe

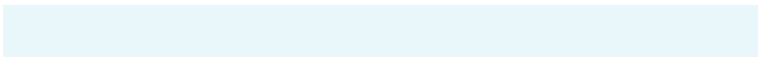
The Inverse Universe completely reimagines the original color for something new.



83.8517, 84.7199, 92.0551



86.4725, 86.7033, 94.1464



83.7422, 89.9879, 103.3993



17.4118, 17.2921, 18.7584



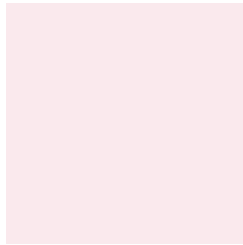
21.3734, 10.9651, 3.4090



2.0187, 1.0312, 0.5221

Previews

White Background



This preview shows how the XYZ color 83.8493, 84.7162, 92.0533 looks on a white background.

Color Contrast Check

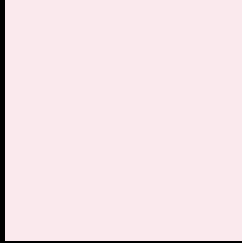
Large Text (above 18pt) WCAG AA × Fail

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 83.8493, 84.7162, 92.0533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

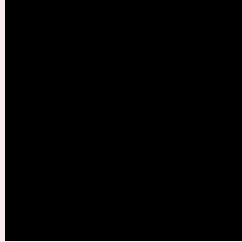
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.8493, 84.7162, 92.0533

Background



This preview shows how black text looks on a background with the XYZ color 83.8493, 84.7162, 92.0533.



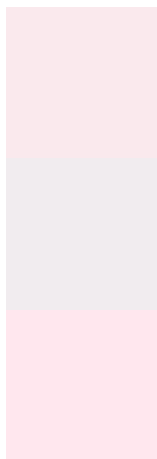
This preview shows how white text looks on a background with the XYZ color 83.8493, 84.7162,

92.0533.

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

83.8493, 84.7162, 92.0533

Protanopia

81.8511, 84.9237, 93.7392

Deuteranopia

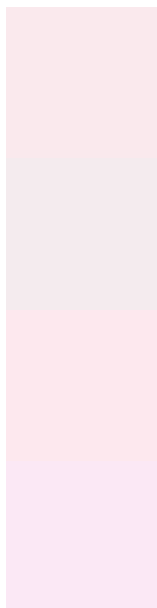
85.2485, 84.5849, 92.7224



Tritanopia

85.8197, 84.6868, 101.4455

Trichromacy



Original Color

83.8493, 84.7162, 92.0533

Protanomaly

82.4492, 84.8228, 92.9158

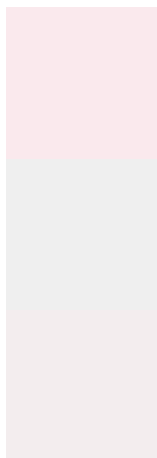
Deuteranomaly

84.7972, 84.7689, 92.7817

Tritanomaly

85.1217, 84.8150, 98.2707

Monochromacy



Original Color

83.8493, 84.7162, 92.0533

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.6790, 85.7961, 93.0916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8493, 84.7162, 92.0533 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(250, 233, 237) looks like.

```
.text, #text, p{  
    color:rgb(250, 233, 237)  
}
```

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(250, 233, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 233, 237) }
```

Border

The CSS property to change the border of an element to XYZ 83.8493, 84.7162, 92.0533 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(250, 233, 237) }
```


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

```
.border{ border-color:rgb(250, 233, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 233, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(250, 233,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8493, 84.7162, 92.0533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 233, 237) }
```

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

```
.background{ background-color: rgb(250,  
233, 237) }
```

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