

Converting Colors

XYZ(83.0225, 88.6716, 89.7328)

Have a look what the booklet for
XYZ(83.0225, 88.6716, 89.7328)
contains.

XYZ(83.0342, 88.6851, 89.8324)	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(83.0342, 88.6851,
89.8324)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F3E9
RGB	241, 243, 233
RGB Percent	95%, 95%, 91%
CMY	0.0549, 0.0470, 0.0863
CMYK	0.01, 0.00, 0.04, 0.05
HSL	72°, 29%, 93%
HSV	72°, 4%, 95%
XYZ	83.0342, 88.6851, 89.8324
YIQ	241.2620, 2.0180, -3.5340

Conversions

Conversions Part 2

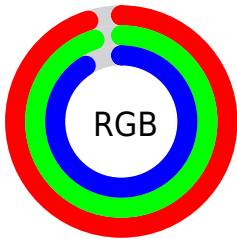
Format	Color
R _Y B	233, 243, 235
Decimal	15856617
CIE Lab	95.45, -2.40, 4.57
CIE LCh	95, 5.165, 117.718
Yxy	88.6851, 0.3175, 0.3391
Android (android.graphics.Color)	4294046697 (0xFFFF1F3E9)
YUV	241.2620, -4.0732, -0.2298
Hunter-Lab	94.1728, -7.4150, 9.3636

Details

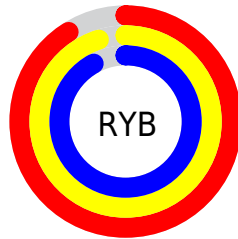
The XYZ color **83.0342, 88.6851, 89.8324** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.5809, 82.4135, 96.5116**, and the grayscale version is **83.8475, 88.2141, 96.0652**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7137, 49.0293, 48.6492** is the 20% darker color. If you saturate the color by 10%, you get **78.1602, 86.5489, 72.7140**, and if you desaturate by 10%, it is **88.0628, 90.8939, 107.5106**.

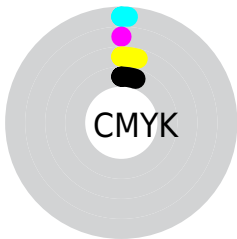
Distribution



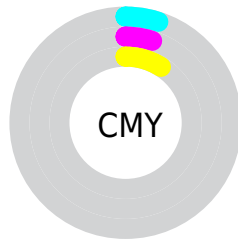
- Red (95%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (92%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0342, 88.6851, 89.8324 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 83.0342, 88.6851, 89.8324 by changing the saturation by 10% instead.

83.0342, 88.6851,
89.8324

83.0342, 88.6851,
89.8324

493.6827,
523.7442, 548.0415

62.5354, 66.8906,
67.2687

136.5516,
145.5106, 149.0391

45.7227, 48.9957,
48.8401

170.3010,
181.3104, 186.5191

32.2307, 34.6161,
34.1279

209.1978,
222.5473, 229.8084

21.6942, 23.3673,
22.7137

253.6076,
269.6059, 279.3253

13.7477, 14.8649,
14.1790

303.8956,
322.8705, 335.4886

8.0259, 8.7247,
8.1051

360.4272,

4.1635, 4.5620,

382.7255, 398.7167

4.0735

423.5678,
449.5552, 469.4282

■ 1.7950, 1.9927,
1.6658

■ 0.5147, 0.6032,
0.3371

■ 83.0342, 88.6851,
89.8324

■ 83.0342, 88.6851,
89.8324

■ 78.1602, 86.5489,
72.7140

■ 88.0628, 90.8939,
107.5106

■ 73.7865, 84.6151,
58.0113

■ 89.7918, 91.7853,
107.5915

■ 69.8946, 82.8790,
45.6170

■ 91.3423, 92.5846,
107.6641

■ 66.4616, 81.3315,
35.4136

■ 63.4631, 79.9628,
27.2729

■ 60.8717, 78.7619,
21.0537

■ 58.6569, 77.7165,
16.5969

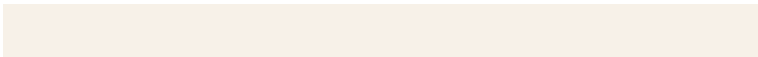
■ 56.7834, 76.8124,
13.7181

■ 55.2080, 76.0324,
12.1921

Harmonies

Analogous

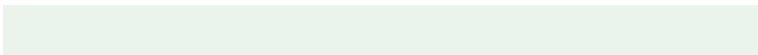
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4008, 88.6851, 88.9894



83.0342, 88.6851, 89.8324



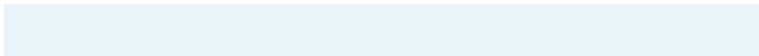
82.0147, 88.6851, 92.4635

Triad

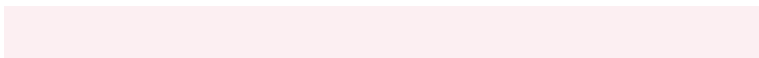
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0342, 88.6851, 89.8324



82.8487, 88.6851, 103.2970



87.0386, 88.6851, 96.8734

Complementary

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



83.0342, 88.6851, 89.8324



79.5809, 82.4135, 96.5116

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.



86.6122, 88.6851, 100.7819



83.0342, 88.6851, 89.8324



84.1843, 88.6851, 104.5546

Square

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



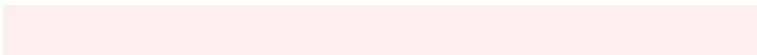
83.0342, 88.6851, 89.8324



81.9084, 88.6851, 100.2303



85.5635, 88.6851, 103.6217



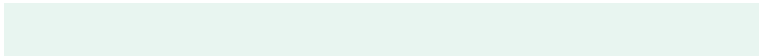
86.7225, 88.6851, 92.9863

Rectangle

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



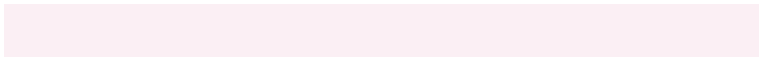
83.0342, 88.6851, 89.8324



81.6636, 88.6851, 94.9160



85.5635, 88.6851, 103.6217



86.9773, 88.6851, 98.2289

Sweetspot

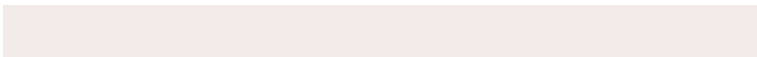
The Sweet Spot groups the original color and five complimentary colors.



83.0367, 88.6889, 89.8343



94.4544, 99.7401, 106.7433



81.3814, 84.3571, 89.0854



20.2234, 21.3512, 22.8702



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

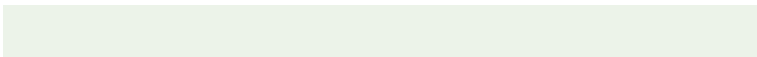
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0367, 88.6889, 89.8343



92.1311, 98.7246, 98.4013



81.3536, 87.8213, 89.7556



17.9817, 19.3164, 19.0173



29.9586, 41.5570, 6.4423



2.7137, 3.6940, 0.5700

Inverse Universe

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



79.5809, 82.4135, 96.5116



87.4646, 90.2505, 107.4180



81.2547, 83.2763, 96.5899



16.9476, 17.4386, 21.0153



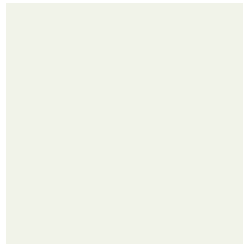
9.6524, 3.9503, 46.7918



0.9285, 0.3885, 4.1163

Previews

White Background



This preview shows how the XYZ color 83.0342, 88.6851, 89.8324 looks on a white background.

Color Contrast Check

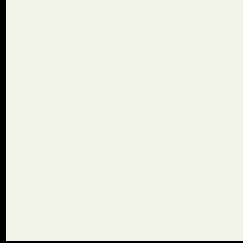
Large Text (above 18pt) WCAG AA × Fail

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 83.0342, 88.6851, 89.8324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

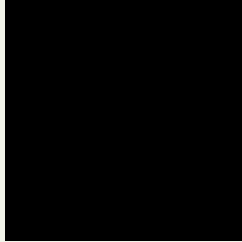
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

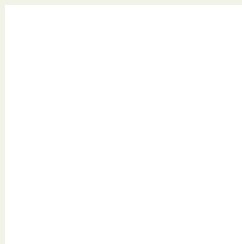
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0342, 88.6851, 89.8324

Background



This preview shows how black text looks on a background with the XYZ color 83.0342, 88.6851, 89.8324.



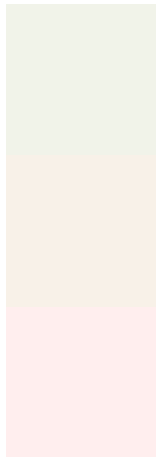
This preview shows how white text looks on a background with the XYZ color 83.0342, 88.6851,

89.8324.

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

83.0342, 88.6851, 89.8324

Protanopia

84.7322, 88.6932, 88.9976

Deuteranopia

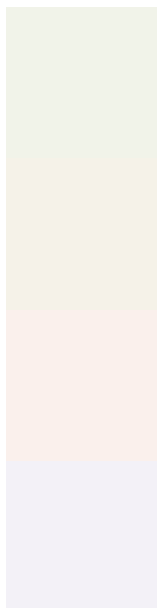
87.2472, 88.5821, 93.3886



Tritanopia

86.5183, 88.7733, 107.1827

Trichromacy



Original Color

83.0342, 88.6851, 89.8324

Protanomaly

83.9738, 88.7429, 89.0471

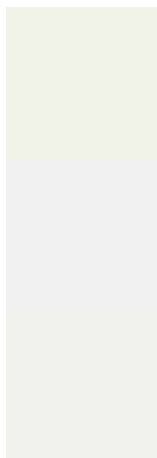
Deuteranomaly

85.7248, 88.7003, 91.9596

Tritanomaly

85.2059, 88.6807, 100.6219

Monochromacy



Original Color

83.0342, 88.6851, 89.8324

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.4604, 88.3781, 93.5488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0342, 88.6851, 89.8324 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(241, 243, 233) looks like.

```
.text, #text, p{  
    color:rgb(241, 243, 233)  
}
```

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(241, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 243, 233) }
```

Border

The CSS property to change the border of an element to XYZ 83.0342, 88.6851, 89.8324 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(241, 243, 233) }
```


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

```
.border{ border-color:rgb(241, 243, 233) }
```

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

Here you see how a box with a 4 pixel rgb(241, 243, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 243, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 243, 233);  
box-shadow:4px 4px 4px 4px rgb(241, 243,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0342, 88.6851, 89.8324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 243, 233) }
```

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

```
.background{ background-color: rgb(241,  
243, 233) }
```

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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