

Converting Colors

XYZ(83.3824, 87.8982, 93.1202)

Have a look what the booklet for
XYZ(83.3824, 87.8982, 93.1202)
contains.

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Color

**XYZ(83.5059, 87.9609,
93.4658)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F1EE
RGB	242, 241, 238
RGB Percent	95%, 95%, 93%
CMY	0.0510, 0.0549, 0.0667
CMYK	0.00, 0.00, 0.02, 0.05
HSL	45°, 13%, 94%
HSV	45°, 2%, 95%
XYZ	83.5059, 87.9609, 93.4658
YIQ	240.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

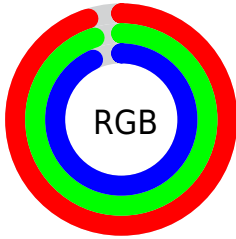
Format	Color
R _Y B	239, 242, 238
Decimal	15921646
CIE Lab	95.14, -0.19, 1.55
CIE LCh	95, 1.564, 96.899
Yxy	87.9609, 0.3152, 0.3320
Android (android.graphics.Color)	4294111726 (0xFF2F1EE)
YUV	240.9570, -1.4578, 0.9147
Hunter-Lab	93.7875, -5.1964, 6.5646

Details

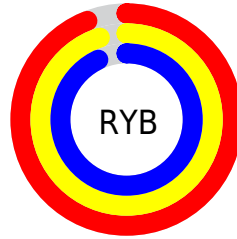
The XYZ color **83.5059, 87.9609, 93.4658** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.1535, 86.3199, 96.3371**, and the grayscale version is **83.5877, 87.9408, 95.7675**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0422, 48.5144, 51.1935** is the 20% darker color. If you saturate the color by 10%, you get **78.4336, 83.1281, 75.3969**, and if you desaturate by 10%, it is **87.9387, 92.6379, 107.8538**.

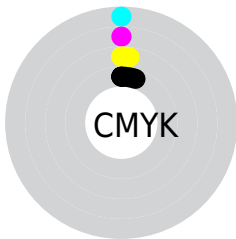
Distribution



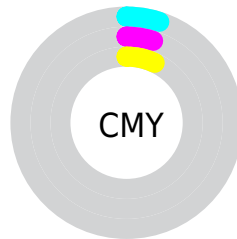
- Red (95%)
- Green (95%)
- Blue (93%)



- Red (94%)
- Yellow (95%)
- Blue (93%)



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



- Cyan (5%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5059, 87.9609, 93.4658 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 83.5059, 87.9609, 93.4658 by changing the saturation by 10% instead.

83.5059, 87.9609,
93.4658

83.5059, 87.9609,
93.4658

495.2295,
521.3752, 560.1000

62.9259, 66.2907,
70.2689

137.2086,
144.5027, 154.1206

46.0397, 48.5084,
51.2676

171.0621,
180.1431, 192.4156

32.4819, 34.2297,
36.0434

210.0708,
221.2090, 236.5804

21.8872, 23.0701,
24.1778

254.6000,
268.0849, 287.0335

13.8902, 14.6453,
15.2521

305.0151,
321.1550, 344.1935

8.1255, 8.5708,
8.8479

361.6815,

4.2278, 4.4623,

380.8038, 408.4789

4.5467

424.9645,
447.4158, 480.3082

■ 1.8318, 1.9354,
1.9298

■ 0.5367, 0.5695,
0.5116

■ 83.5059, 87.9609,
93.4658

■ 83.5059, 87.9609,
93.4658

■ 78.4336, 83.1281,
75.3969

■ 87.9387, 92.6379,
107.8538

■ 73.8763, 78.5919,
59.7631

■ 89.8114, 96.3834,
108.4780

■ 69.8158, 74.3471,
46.4598

■ 90.4285, 97.6175,
108.6837

■ 66.2297, 70.3837,
35.3725

■ 63.0941, 66.6911,
26.3771

■ 60.3823, 63.2579,
19.3372

■ 58.0648, 60.0712,
14.1000

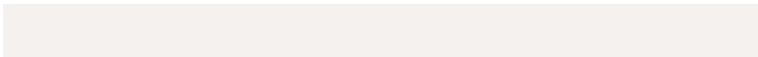
■ 56.1077, 57.1164,
10.4899

■ 54.4703, 54.3763,
8.2960

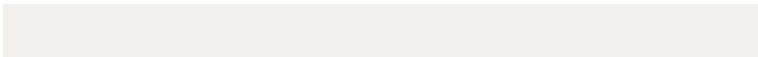
Harmonies

Analogous

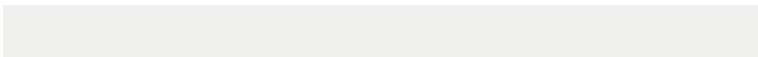
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9258, 87.9609, 93.6342



83.5059, 87.9609, 93.4658



83.1137, 87.9609, 93.9118

Triad

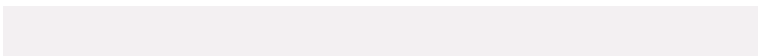
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5059, 87.9609, 93.4658



82.9513, 87.9609, 97.1890



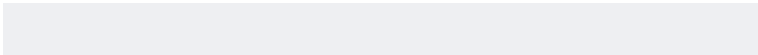
84.3594, 87.9609, 96.6973

Complementary

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



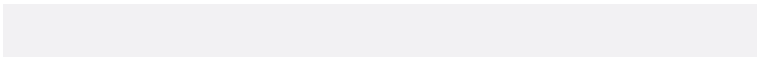
83.5059, 87.9609, 93.4658



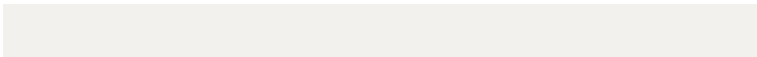
82.1535, 86.3199, 96.3371

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.



84.0967, 87.9609, 97.6616



83.5059, 87.9609, 93.4658



83.2834, 87.9609, 97.9472

Square

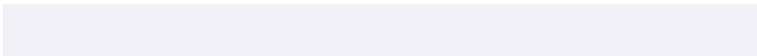
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



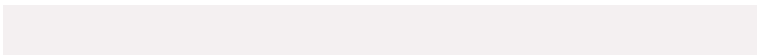
83.5059, 87.9609, 93.4658



82.7941, 87.9609, 96.0564



83.7026, 87.9609, 98.1208



84.4195, 87.9609, 95.4931

Rectangle

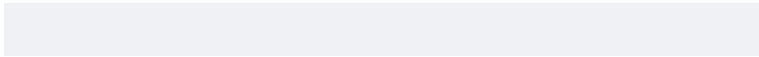
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



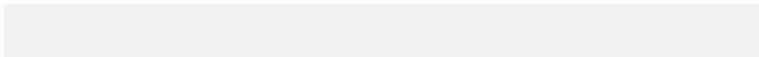
83.5059, 87.9609, 93.4658



82.9203, 87.9609, 94.4998



83.7026, 87.9609, 98.1208



84.2918, 87.9609, 97.0605

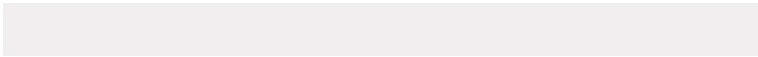
Sweetspot

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



83.5084, 87.9647, 93.4677

95.0500, 100.0000, 108.9000



82.7738, 86.2597, 93.9498



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

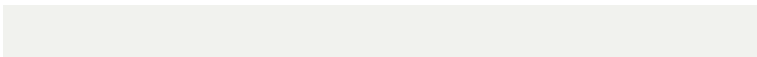
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5084, 87.9647, 93.4677



93.8359, 98.8684, 104.4981



83.4617, 88.3794, 93.5502



17.5895, 18.5314, 19.6195



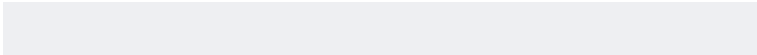
28.7441, 28.2863, 3.9448



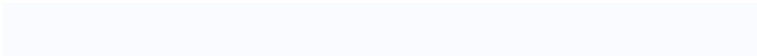
2.4692, 2.5090, 0.3541

Inverse Universe

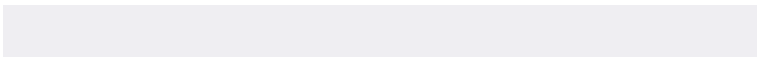
The Inverse Universe completely reimagines the original color for something new.



82.1535, 86.3199, 96.3371



91.9887, 96.6260, 108.4101



82.1994, 85.9119, 96.2560



17.2625, 18.1344, 20.3121



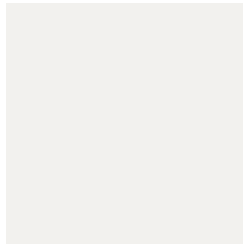
9.5756, 5.3754, 45.6607



0.8729, 0.5997, 3.8240

Previews

White Background



This preview shows how the XYZ color 83.5059, 87.9609, 93.4658 looks on a white background.

Color Contrast Check

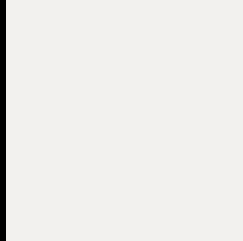
Large Text (above 18pt) WCAG AA × Fail

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 83.5059, 87.9609, 93.4658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

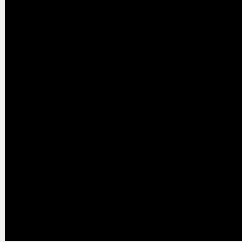
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

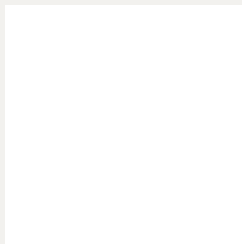
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5059, 87.9609, 93.4658

Background



This preview shows how black text looks on a background with the XYZ color 83.5059, 87.9609, 93.4658.



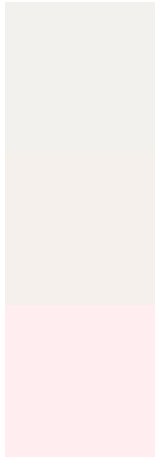
This preview shows how white text looks on a background with the XYZ color 83.5059, 87.9609, 93.4658.

93.4658.

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

83.5059, 87.9609, 93.4658

Protanopia

84.4522, 88.0274, 92.6606

Deuteranopia

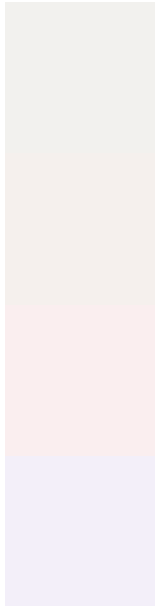
87.2524, 88.1196, 94.8482



Tritanopia

85.9328, 87.6022, 106.9875

Trichromacy



Original Color

83.5059, 87.9609, 93.4658

Protanomaly

84.1023, 87.8471, 92.6443

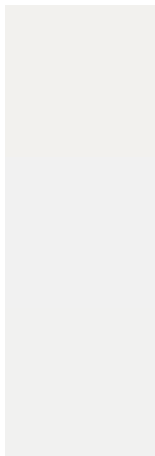
Deuteranomaly

85.5789, 87.7051, 94.0796

Tritanomaly

84.9275, 87.6272, 102.0601

Monochromacy



Original Color

83.5059, 87.9609, 93.4658

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.4591, 87.9026, 95.0062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5059, 87.9609, 93.4658 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(242, 241, 238) looks like.

```
.text, #text, p{  
    color:rgb(242, 241, 238)  
}
```

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(242, 241, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 241, 238) }
```

Border

The CSS property to change the border of an element to XYZ 83.5059, 87.9609, 93.4658 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(242, 241, 238) }
```

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

```
.border{ border-color:rgb(242, 241, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 241, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 241, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 241, 238);  
box-shadow:4px 4px 4px 4px rgb(242, 241,  
238) }
```


Background

The CSS property to change the background color of an element to XYZ 83.5059, 87.9609, 93.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 241, 238) }
```

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

```
.background{ background-color: rgb(242,  
241, 238) }
```

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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