

Converting Colors

XYZ(83.1780, 87.3206, 92.5500)

Have a look what the booklet for
XYZ(83.1780, 87.3206, 92.5500)
contains.

XYZ(83.0641, 87.3118, 92.5957)	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(83.0641, 87.3118,
92.5957)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F0ED
RGB	242, 240, 237
RGB Percent	95%, 94%, 93%
CMY	0.0510, 0.0588, 0.0706
CMYK	0.00, 0.01, 0.02, 0.05
HSL	36°, 16%, 94%
HSV	36°, 2%, 95%
XYZ	83.0641, 87.3118, 92.5957
YIQ	240.2560, 2.1550, -0.5090

Conversions

Conversions Part 2

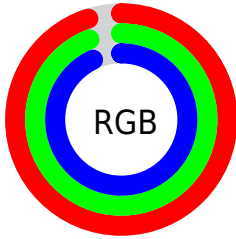
Format	Color
R_{YB}	240, 242, 237
Decimal	15921389
CIE _{Lab}	94.87, 0.15, 1.67
CIE _{LCh}	95, 1.678, 84.958
Yxy	87.3118, 0.3159, 0.3320
Android (android.graphics.Color)	4294111469 (0xFFFF2F0ED)
YUV	240.2560, -1.6052, 1.5295
Hunter-Lab	93.4408, -4.8440, 6.6548

Details

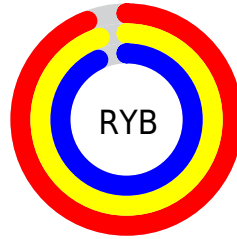
The XYZ color **83.0641, 87.3118, 92.5957** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.8187, 86.1473, 96.3214**, and the grayscale version is **83.0380, 87.3625, 95.1377**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7307, 48.0563, 50.5816** is the 20% darker color. If you saturate the color by 10%, you get **76.9965, 80.4575, 74.2905**, and if you desaturate by 10%, it is **88.7504, 94.2614, 108.1244**.

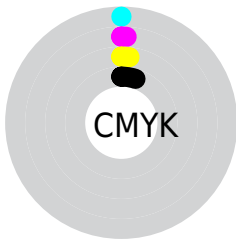
Distribution



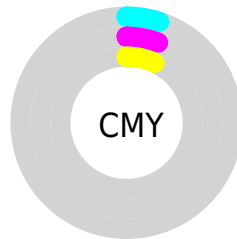
- Red (95%)
- Green (94%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0641, 87.3118, 92.5957 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 83.0641, 87.3118, 92.5957 by changing the saturation by 10% instead.

83.0641, 87.3118,
92.5957

83.0641, 87.3118,
92.5957

493.7808,
519.2469, 557.2254

62.5601, 65.7533,
69.5497

136.5933,
143.5987, 152.9056

45.7428, 48.0721,
50.6850

170.3492,
179.0958, 191.0066

32.2466, 33.8840,
35.5830

209.2532,
220.0079, 234.9630

21.7064, 22.8045,
23.8252

253.6705,
266.7193, 285.1934

13.7567, 14.4492,
14.9930

303.9666,
319.6146, 342.1163

8.0322, 8.4338,
8.6679

360.5068,

4.1676, 4.3737,

379.0780, 406.1502

4.4314

423.6564,
445.4940, 477.7137

■ 1.7974, 1.8847,
1.8648

■ 0.5161, 0.5392,
0.4702

■ 83.0641, 87.3118,
92.5957

■ 83.0641, 87.3118,
92.5957

■ 76.9965, 80.4575,
74.2905

■ 88.7504, 94.2614,
108.1244

■ 71.5339, 74.0810,
58.4464

■ 90.4285, 97.6175,
108.6837

■ 66.6560, 68.1730,
44.9578

■ 62.3386, 62.7201,
33.7094

■ 58.5555, 57.7077,
24.5758

■ 55.2783, 53.1203,
17.4194

■ 52.4752, 48.9410,
12.0860

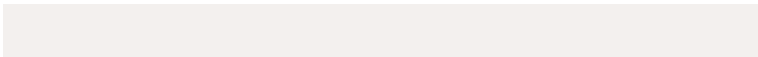
■ 50.1099, 45.1508,
8.3981

■ 48.1391, 41.7280,
6.1422

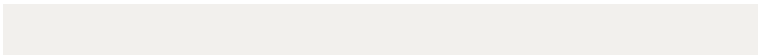
Harmonies

Analogous

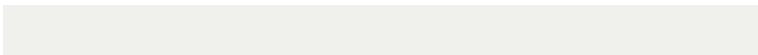
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4902, 87.3118, 93.0328



83.0641, 87.3118, 92.5957



82.6190, 87.3118, 92.8161

Triad

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



83.0641, 87.3118, 92.5957



82.1973, 87.3118, 96.1279



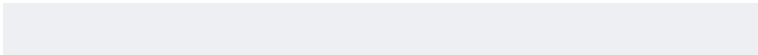
83.7050, 87.3118, 96.5124

Complementary

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



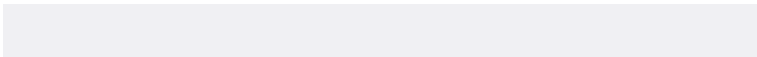
83.0641, 87.3118, 92.5957



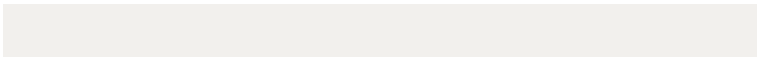
81.8187, 86.1473, 96.3214

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.



83.3566, 87.3118, 97.3555



83.0641, 87.3118, 92.5957



82.4863, 87.3118, 97.1321

Square

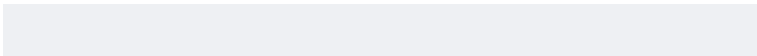
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



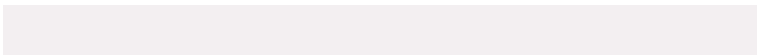
83.0641, 87.3118, 92.5957



82.1195, 87.3118, 94.8478



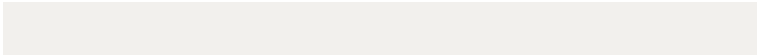
82.9104, 87.3118, 97.5833



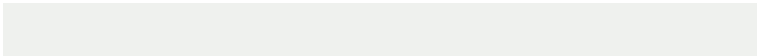
83.8610, 87.3118, 95.2879

Rectangle

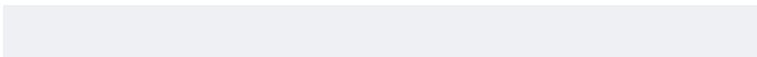
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



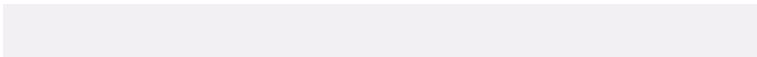
83.0641, 87.3118, 92.5957



82.3711, 87.3118, 93.3072



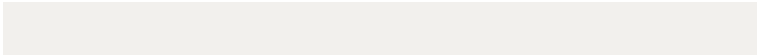
82.9104, 87.3118, 97.5833



83.6064, 87.3118, 96.8502

Sweetspot

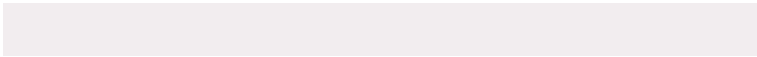
The Sweet Spot groups the original color and five complimentary colors.



83.0666, 87.3156, 92.5976



94.3182, 99.1891, 106.6441



82.4834, 85.6790, 93.8530



20.1957, 21.2391, 22.8500



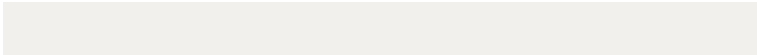
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



83.0666, 87.3156, 92.5976



93.5936, 98.3838, 104.4173



83.4860, 88.4089, 92.7865



17.5466, 18.4456, 19.6052



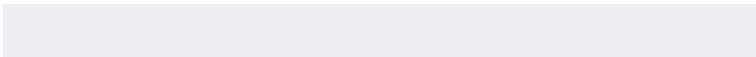
25.2808, 21.3597, 2.7904



2.2001, 1.9709, 0.2645

Inverse Universe

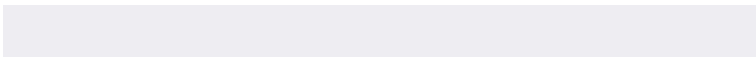
The Inverse Universe completely reimagines the original color for something new.



81.8187, 86.1473, 96.3214



92.2288, 97.1061, 108.4901



81.4047, 85.0713, 96.1355



17.3050, 18.2194, 20.3262



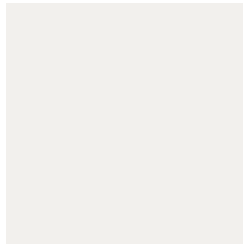
11.0116, 8.2474, 46.1394



1.0108, 0.8755, 3.8699

Previews

White Background



This preview shows how the XYZ color 83.0641, 87.3118, 92.5957 looks on a white background.

Color Contrast Check

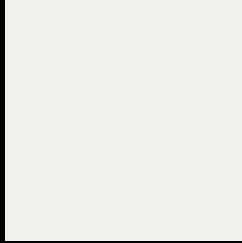
Large Text (above 18pt) WCAG AA × Fail

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 83.0641, 87.3118, 92.5957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

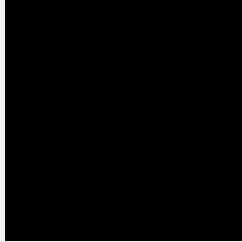
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

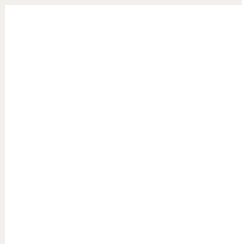
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0641, 87.3118, 92.5957

Background



This preview shows how black text looks on a background with the XYZ color 83.0641, 87.3118, 92.5957.



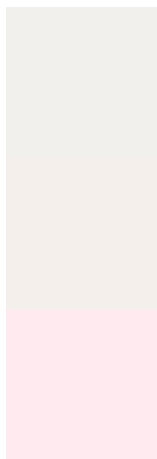
This preview shows how white text looks on a background with the XYZ color 83.0641, 87.3118,

92.5957.

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

83.0641, 87.3118, 92.5957

Protanopia

83.6630, 87.2016, 91.7790

Deuteranopia

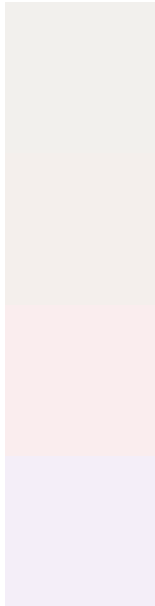
86.5283, 86.9087, 93.8759



Tritanopia

85.9904, 87.2009, 106.9070

Trichromacy



Original Color

83.0641, 87.3118, 92.5957

Protanomaly

83.3151, 87.0222, 91.7627

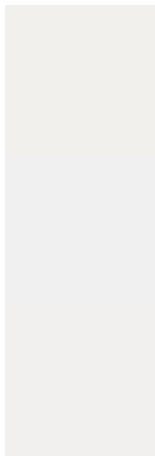
Deuteranomaly

85.1411, 87.0654, 93.2068

Tritanomaly

84.8260, 87.1595, 101.1596

Monochromacy



Original Color

83.0641, 87.3118, 92.5957

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.0157, 87.2529, 94.1275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0641, 87.3118, 92.5957 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, 240, 237) looks like.

```
.text, #text, p{  
    color:rgb(242, 240, 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(242, 240, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 240, 237) }
```

Border

The CSS property to change the border of an element to XYZ 83.0641, 87.3118, 92.5957 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, 240, 237) }
```


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

```
.border{ border-color:rgb(242, 240, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 240, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 240, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 240, 237);  
box-shadow:4px 4px 4px 4px rgb(242, 240,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0641, 87.3118, 92.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 240, 237) }
```

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

```
.background{ background-color: rgb(242,  
240, 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](#).

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