

Converting Colors

XYZ(83.4857, 87.3532, 98.6869)

Have a look what the booklet for
XYZ(83.4857, 87.3532, 98.6869)
contains.

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Color

**XYZ(83.5767, 87.4380,
98.8585)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F0F5
RGB	240, 240, 245
RGB Percent	94%, 94%, 96%
CMY	0.0588, 0.0588, 0.0392
CMYK	0.02, 0.02, 0.00, 0.04
HSL	240°, 20%, 95%
HSV	240°, 2%, 96%
XYZ	83.5767, 87.4380, 98.8585
YIQ	240.5700, -1.6050, 1.5550

Conversions

Conversions Part 2

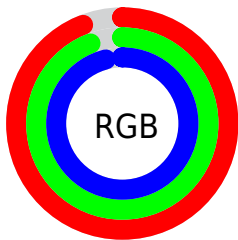
Format	Color
R _Y B	240, 240, 245
Decimal	15790325
CIE Lab	94.92, 0.90, -2.42
CIE LCh	95, 2.577, 290.406
Yxy	87.4380, 0.3097, 0.3240
Android (android.graphics.Color)	4293980405 (0xFFFF0F0F5)
YUV	240.5700, 2.1840, -0.4999
Hunter-Lab	93.5083, -4.0981, 2.7734

Details

The XYZ color **83.5767, 87.4380, 98.8585** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0369, 91.0076, 95.4710**, and the grayscale version is **83.2576, 87.5935, 95.3893**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0930, 48.1454, 55.0078** is the 20% darker color. If you saturate the color by 10%, you get **69.0878, 69.9844, 96.2546**, and if you desaturate by 10%, it is **93.4817, 99.3727, 100.6414**.

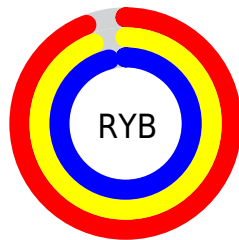
Distribution



Red (94%)

Green (94%)

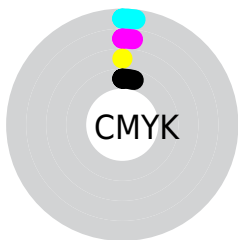
Blue (96%)



Red (94%)

Yellow (94%)

Blue (96%)

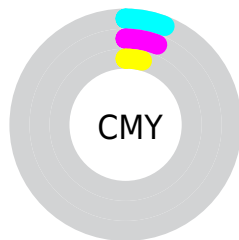


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (6%)

Magenta (6%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5767, 87.4380, 98.8585 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 83.5767, 87.4380, 98.8585 by changing the saturation by 10% instead.

83.5767, 87.4380,
98.8585

83.5767, 87.4380,
98.8585

495.4614,
519.6610, 577.7421

62.9845, 65.8577,
74.7360

137.3072,
143.7745, 161.6258

46.0873, 48.1569,
54.8962

171.1763,
179.2995, 201.1077

32.5196, 33.9512,
38.9206

210.2017,
220.2415, 246.5464

21.9162, 22.8561,
26.3906

254.7488,
266.9850, 298.3605

13.9116, 14.4873,
16.8877

305.1830,
319.9143, 356.9686

8.1405, 8.4604,
9.9933

361.8696,

4.2375, 4.3909,

379.4138, 422.7892

5.2890

425.1739,
445.8679, 496.2409

■ 1.8374, 1.8945,
2.3561

■ 0.5400, 0.5451,
0.7624

■ 83.5767, 87.4380,
98.8585

■ 83.5767, 87.4380,
98.8585

■ 69.0878, 69.9844,
96.2546

■ 93.4817, 99.3727,
100.6414

■ 56.6083, 54.9500,
94.0104

■ 46.0517, 42.2316,
92.1119

■ 37.3225, 31.7141,
90.5419

■ 30.3169, 23.2726,
89.2817

■ 24.9209, 16.7698,
88.3110

■ 21.0067, 12.0518,
87.6066

■ 18.4270, 8.9414,
87.1422

■ 17.0046, 7.2252,
86.8859

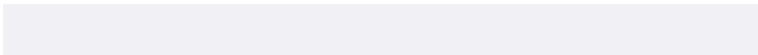
Harmonies

Analogous

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



82.8834, 87.4380, 99.0511



83.5767, 87.4380, 98.8585



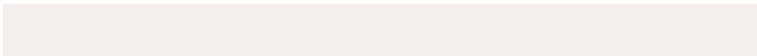
84.1472, 87.4380, 97.6795

Triad

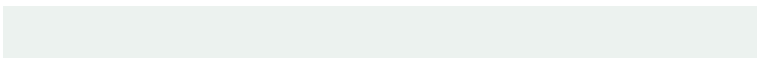
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5767, 87.4380, 98.8585



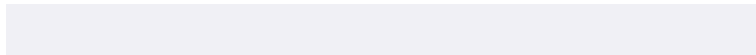
83.9667, 87.4380, 92.2697



81.7890, 87.4380, 94.5650

Complementary

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



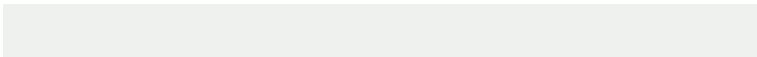
83.5767, 87.4380, 98.8585



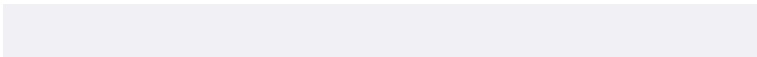
86.0369, 91.0076, 95.4710

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.



82.0758, 87.4380, 92.7729



83.5767, 87.4380, 98.8585



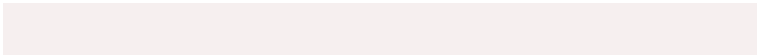
83.3314, 87.4380, 91.4600

Square

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



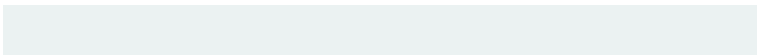
83.5767, 87.4380, 98.8585



84.3732, 87.4380, 93.8693



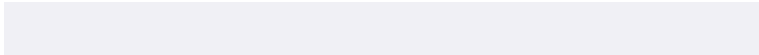
82.6395, 87.4380, 91.6429



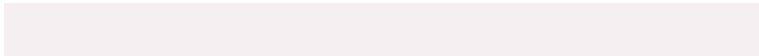
81.8539, 87.4380, 96.5535

Rectangle

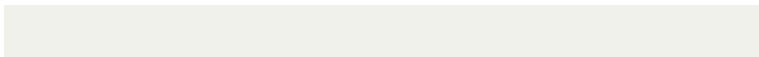
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



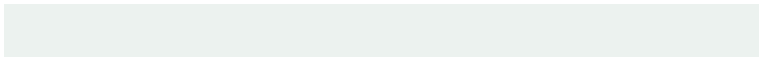
83.5767, 87.4380, 98.8585



84.3798, 87.4380, 96.5018



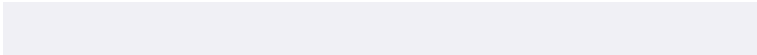
82.6395, 87.4380, 91.6429



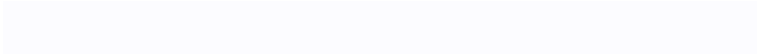
81.8474, 87.4380, 93.9201

Sweetspot

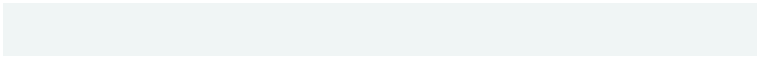
The Sweet Spot groups the original color and five complimentary colors.



83.5792, 87.4417, 98.8604



93.3106, 97.9046, 108.5872



85.0576, 90.4190, 99.2905



19.9906, 20.9777, 23.2454



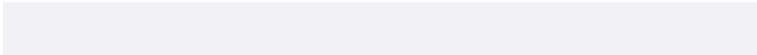
0.0000, 0.0000, 0.0000



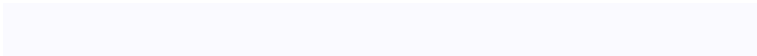
20.3446, 21.4041, 23.3091

Same Dimension

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



83.5792, 87.4417, 98.8604



91.5943, 95.8371, 108.2786



84.4040, 87.8652, 98.8987



17.9877, 18.8266, 21.2284



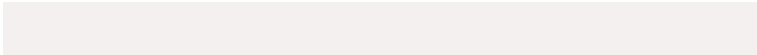
8.8805, 3.5547, 46.7561



0.7809, 0.3132, 4.1095

Inverse Universe

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



84.5464, 88.0256, 94.9770



92.6348, 96.4652, 104.1009



85.2004, 90.5782, 95.4322



18.1809, 18.9432, 20.4528



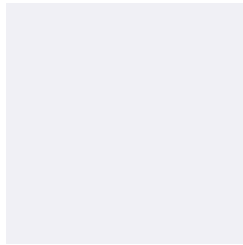
20.2870, 10.4582, 0.9536



1.7832, 0.9192, 0.0848

Previews

White Background



This preview shows how the XYZ color 83.5767, 87.4380, 98.8585 looks on a white background.

Color Contrast Check

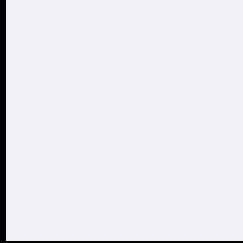
Large Text (above 18pt) WCAG AA × Fail

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 83.5767, 87.4380, 98.8585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

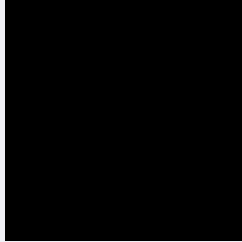
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

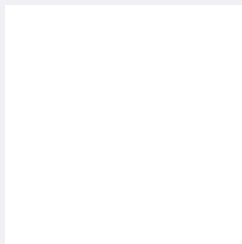
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5767, 87.4380, 98.8585

Background



This preview shows how black text looks on a background with the XYZ color 83.5767, 87.4380, 98.8585.



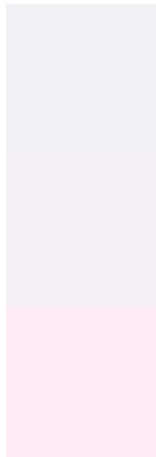
This preview shows how white text looks on a background with the XYZ color 83.5767, 87.4380,

98.8585.

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

83.5767, 87.4380, 98.8585

Protanopia

84.1578, 87.3193, 98.0067

Deuteranopia

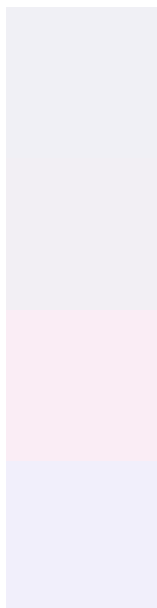
87.4298, 87.2692, 98.6228



Tritanopia

85.2425, 87.2463, 106.9552

Trichromacy



Original Color

83.5767, 87.4380, 98.8585

Protanomaly

83.8136, 87.1419, 97.9906

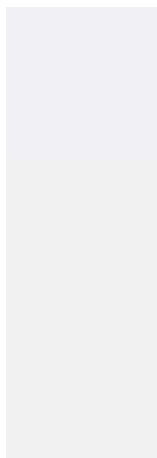
Deuteranomaly

86.1900, 87.4849, 98.7298

Tritanomaly

84.5547, 87.3988, 103.6799

Monochromacy



Original Color

83.5767, 87.4380, 98.8585

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.7579, 88.0222, 96.5799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5767, 87.4380, 98.8585 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(240, 240, 245) looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 245)  
}
```

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(240, 240, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 245) }
```

Border

The CSS property to change the border of an element to XYZ 83.5767, 87.4380, 98.8585 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(240, 240, 245) }
```


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

```
.border{ border-color:rgb(240, 240, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 240, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 240, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 240, 245);  
box-shadow:4px 4px 4px 4px rgb(240, 240,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5767, 87.4380, 98.8585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 245) }
```

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

```
.background{ background-color: rgb(240,  
240, 245) }
```

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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