

Converting Colors

XYZ(81.7352, 87.4588, 98.1613)

Have a look what the booklet for
XYZ(81.7352, 87.4588, 98.1613)
contains.

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Color

**XYZ(81.6855, 87.3596,
98.1447)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F2F4
RGB	233, 242, 244
RGB Percent	91%, 95%, 96%
CMY	0.0863, 0.0510, 0.0431
CMYK	0.05, 0.01, 0.00, 0.04
HSL	191°, 33%, 94%
HSV	191°, 5%, 96%
XYZ	81.6855, 87.3596, 98.1447
YIQ	239.5370, -6.0060, -1.2860

Conversions

Conversions Part 2

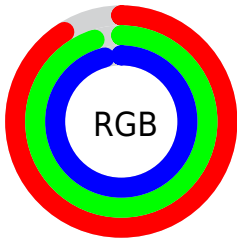
Format	Color
R _Y B	233, 238, 244
Decimal	15332084
CIE Lab	94.89, -2.60, -2.01
CIE LCh	95, 3.283, 217.656
Yxy	87.3596, 0.3057, 0.3270
Android (android.graphics.Color)	4293522164 (0xFFE9F2F4)
YUV	239.5370, 2.2003, -5.7329
Hunter-Lab	93.4664, -7.5649, 3.1688

Details

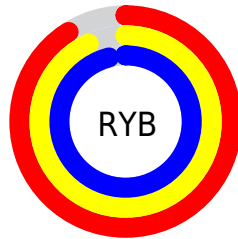
The XYZ color **81.6855, 87.3596, 98.1447** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7246, 84.5319, 89.1009**, and the grayscale version is **82.4515, 86.7454, 94.4657**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7675, 48.0958, 54.5009** is the 20% darker color. If you saturate the color by 10%, you get **72.9632, 80.9329, 97.3653**, and if you desaturate by 10%, it is **90.6570, 93.9670, 98.9485**.

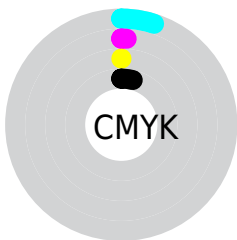
Distribution



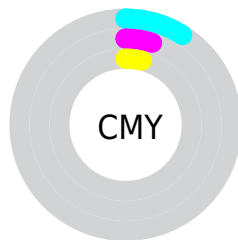
- Red (91%)
- Green (95%)
- Blue (96%)



- Red (91%)
- Yellow (93%)
- Blue (96%)



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



- Cyan (9%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6855, 87.3596, 98.1447 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 81.6855, 87.3596, 98.1447 by changing the saturation by 10% instead.

81.6855, 87.3596,
98.1447

81.6855, 87.3596,
98.1447

489.2456,
519.4038, 575.4237

61.4196, 65.7928,
74.1438

134.6710,
143.6653, 160.6348

44.8177, 48.1042,
54.4142

168.1213,
179.1729, 199.9611

31.5145, 33.9095,
38.5375

206.6970,
220.0964, 245.2329

21.1447, 22.8240,
26.0951

250.7636,
266.8200, 296.8687

13.3429, 14.4636,
16.6684

300.6864,
319.7281, 355.2872

7.7437, 8.4438,
9.8389

356.8308,

3.9818, 4.3802,

379.2052, 420.9068

5.1881

419.5620,
445.6356, 494.1461

■ 1.6918, 1.8885,
2.2974

■ 0.4512, 0.5414,
0.7297

■ 81.6855, 87.3596,
98.1447

■ 81.6855, 87.3596,
98.1447

■ 72.9632, 80.9329,
97.3653

■ 90.6570, 93.9670,
98.9485

■ 65.3265, 75.1104,
96.6439

■ 92.0229, 96.6989,
99.4038

■ 58.7298, 69.8708,
95.9802

■ 93.3294, 99.3118,
99.8393

■ 53.1211, 65.1868,
95.3718

■ 48.4439, 61.0291,
94.8158

■ 44.6358, 57.3651,
94.3092

■ 41.6265, 54.1582,
93.8489

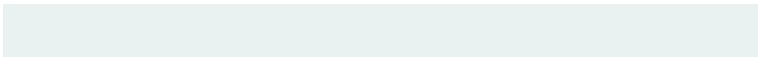
■ 39.3343, 51.3660,
93.4307

■ 37.6594, 48.9366,
93.0501

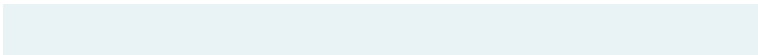
Harmonies

Analogous

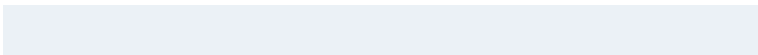
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3485, 87.3596, 95.7740



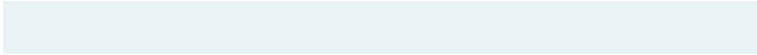
81.6855, 87.3596, 98.1447



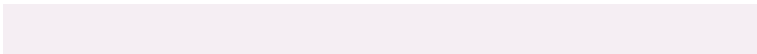
82.3839, 87.3596, 99.7241

Triad

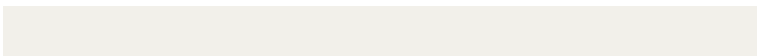
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6855, 87.3596, 98.1447



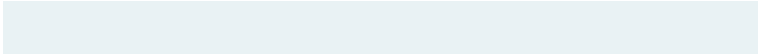
84.6252, 87.3596, 96.9948



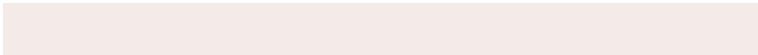
82.8050, 87.3596, 90.3457

Complementary

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



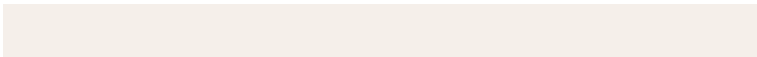
81.6855, 87.3596, 98.1447



81.7246, 84.5319, 89.1009

Split Complementary

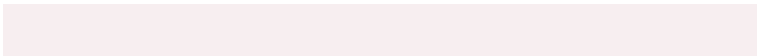
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6848, 87.3596, 90.6593



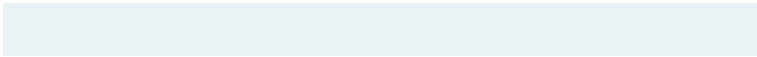
81.6855, 87.3596, 98.1447



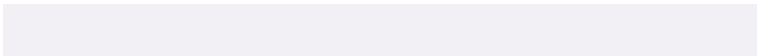
84.7399, 87.3596, 94.4685

Square

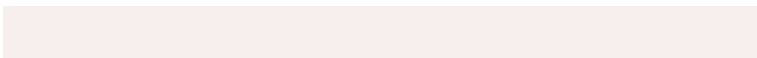
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



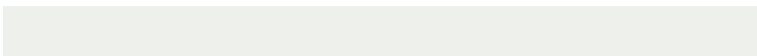
81.6855, 87.3596, 98.1447



84.0823, 87.3596, 99.0520



84.3946, 87.3596, 92.1576



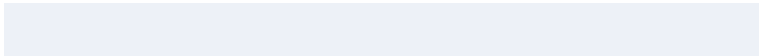
81.9918, 87.3596, 91.2930

Rectangle

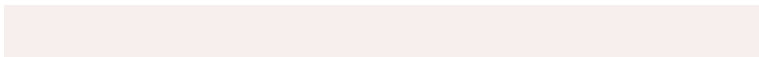
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6855, 87.3596, 98.1447



82.9627, 87.3596, 100.1001



84.3946, 87.3596, 92.1576



83.1027, 87.3596, 90.3074

Sweetspot

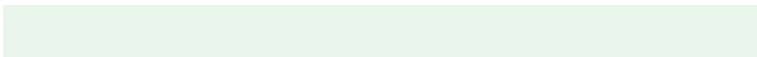
The Sweet Spot groups the original color and five complimentary colors.



81.6880, 87.3633, 98.1466



93.9706, 99.2247, 108.8072



80.9275, 88.0149, 91.1955



20.1250, 21.2464, 23.2902



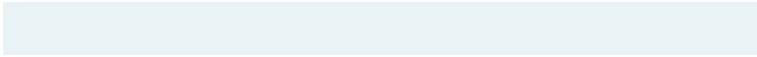
0.0000, 0.0000, 0.0000



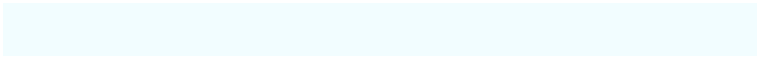
20.3446, 21.4041, 23.3091

Same Dimension

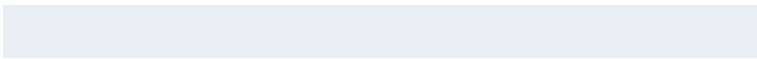
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6880, 87.3633, 98.1466



89.7802, 96.1943, 108.4432



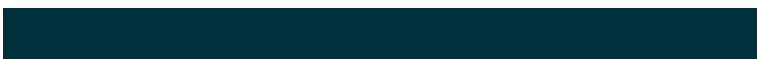
80.1224, 84.2321, 97.6248



17.4609, 18.7549, 21.2423



20.1679, 26.1296, 50.5186



1.8377, 2.4267, 4.4618

Inverse Universe

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



82.4760, 83.9233, 95.8607



90.7463, 91.9851, 105.6390



83.2758, 87.6342, 89.6180



17.6753, 17.8232, 20.6195



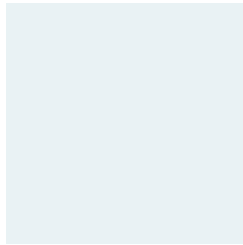
25.9843, 12.7372, 30.9556



2.3166, 1.1326, 2.8937

Previews

White Background



This preview shows how the XYZ color 81.6855, 87.3596, 98.1447 looks on a white background.

Color Contrast Check

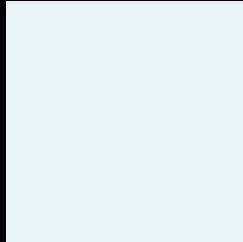
Large Text (above 18pt) WCAG AA × Fail

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 81.6855, 87.3596, 98.1447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

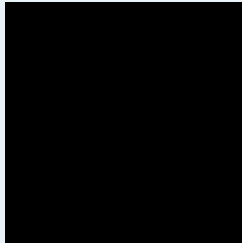
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

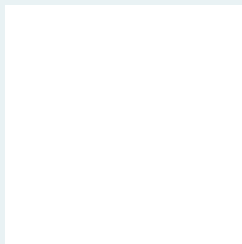
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.6855, 87.3596, 98.1447

Background



This preview shows how black text looks on a background with the XYZ color 81.6855, 87.3596, 98.1447.



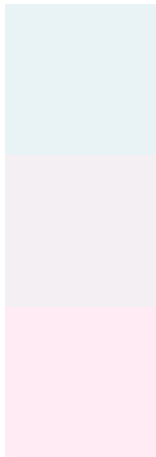
This preview shows how white text looks on a background with the XYZ color 81.6855, 87.3596,

98.1447.

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

81.6855, 87.3596, 98.1447

Protanopia

84.2017, 87.3769, 96.4319

Deuteranopia

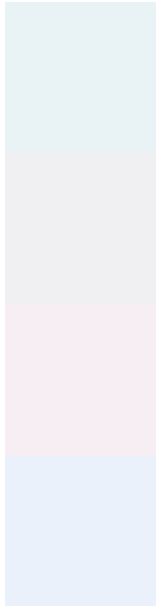
87.2775, 87.2083, 97.8208



Tritanopia

83.8022, 87.3730, 107.0556

Trichromacy



Original Color

81.6855, 87.3596, 98.1447

Protanomaly

83.2729, 87.3165, 97.2588

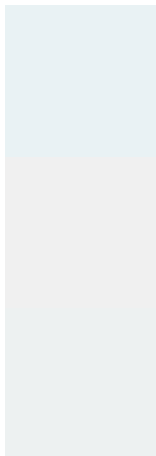
Deuteranomaly

85.2614, 87.4549, 97.9747

Tritanomaly

83.1288, 87.5378, 103.7819

Monochromacy



Original Color

81.6855, 87.3596, 98.1447

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.2575, 87.2660, 95.7277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6855, 87.3596, 98.1447 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(233, 242, 244) looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 244)  
}
```

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(233, 242, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 244) }
```

Border

The CSS property to change the border of an element to XYZ 81.6855, 87.3596, 98.1447 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(233, 242, 244) }
```


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

```
.border{ border-color:rgb(233, 242, 244) }
```

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

Here you see how a box with a 4 pixel rgb(233, 242, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 244);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6855, 87.3596, 98.1447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 244) }
```

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

```
.background{ background-color: rgb(233,  
242, 244) }
```

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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