

Converting Colors

XYZ(81.1738, 87.2636, 93.6770)

Have a look what the booklet for
XYZ(81.1738, 87.2636, 93.6770)
contains.

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Color

**XYZ(81.1164, 87.1697,
93.4391)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF2EE
RGB	234, 242, 238
RGB Percent	92%, 95%, 93%
CMY	0.0823, 0.0510, 0.0667
CMYK	0.03, 0.00, 0.02, 0.05
HSL	150°, 24%, 93%
HSV	150°, 3%, 95%
XYZ	81.1164, 87.1697, 93.4391
YIQ	239.1520, -3.4840, -2.9400

Conversions

Conversions Part 2

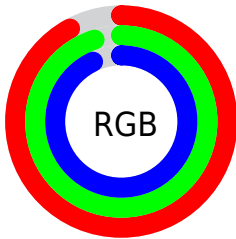
Format	Color
R_{YB}	234, 239, 242
Decimal	15397614
CIE _{Lab}	94.81, -3.36, 0.99
CIE _{LCh}	95, 3.503, 163.514
Yxy	87.1697, 0.3099, 0.3331
Android (android.graphics.Color)	4293587694 (0xFFEAF2EE)
YUV	239.1520, -0.5679, -4.5183
Hunter-Lab	93.3647, -8.3053, 6.0181

Details

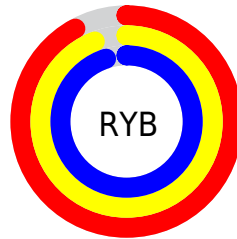
The XYZ color **81.1164, 87.1697, 93.4391** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.4765, 83.8981, 92.7927**, and the grayscale version is **82.1707, 86.4500, 94.1441**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3625, 47.9602, 51.1751** is the 20% darker color. If you saturate the color by 10%, you get **71.9887, 82.6653, 84.0385**, and if you desaturate by 10%, it is **90.2660, 91.6765, 103.4687**.

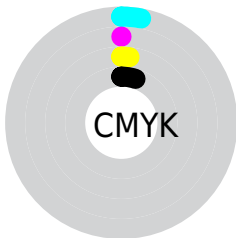
Distribution



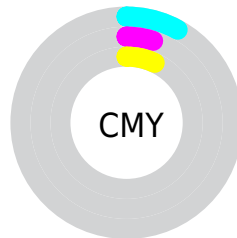
- Red (92%)
- Green (95%)
- Blue (93%)



- Red (92%)
- Yellow (94%)
- Blue (95%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1164, 87.1697, 93.4391 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 81.1164, 87.1697, 93.4391 by changing the saturation by 10% instead.

81.1164, 87.1697,
93.4391

81.1164, 87.1697,
93.4391

487.3667,
518.7803, 560.0119

60.9491, 65.6357,
70.2468

133.8765,
143.4006, 154.0834

44.4365, 47.9767,
51.2497

167.2000,
178.8663, 192.3724

31.2132, 33.8084,
36.0293

205.6396,
219.7447, 236.5308

20.9138, 22.7465,
24.1669

249.5607,
266.4201, 286.9771

13.1731, 14.4064,
15.2442

299.3286,
319.2770, 344.1298

7.6257, 8.4039,
8.8424

355.3086,

3.9062, 4.3544,

378.6997, 408.4075

4.5431

417.8662,
445.0727, 480.2287

■ 1.6492, 1.8737,
1.9278

■ 0.4241, 0.5325,
0.5103

■ 81.1164, 87.1697,
93.4391

■ 81.1164, 87.1697,
93.4391

■ 71.9887, 82.6653,
84.0385

■ 90.2660, 91.6765,
103.4687

■ 64.0174, 78.7410,
75.3024

■ 91.0438, 91.9876,
107.5646

■ 57.1558, 75.3756,
67.2180

■ 51.3513, 72.5421,
59.7697

■ 46.5467, 70.2114,
52.9415

■ 42.6793, 68.3515,
46.7165

■ 39.6786, 66.9263,
41.0771

■ 37.4637, 65.8944,
36.0045

■ 35.9366, 65.2058,
31.4782

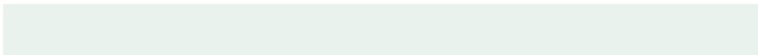
Harmonies

Analogous

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



81.6033, 87.1697, 91.1769



81.1164, 87.1697, 93.4391



81.0923, 87.1697, 96.1383

Triad

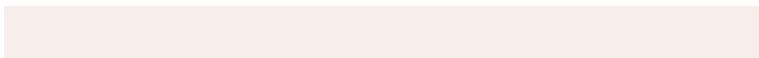
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1164, 87.1697, 93.4391



83.2789, 87.1697, 100.0804



84.1813, 87.1697, 91.3634

Complementary

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



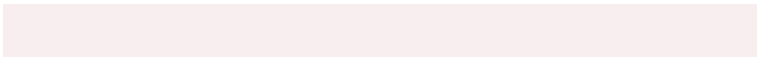
81.1164, 87.1697, 93.4391



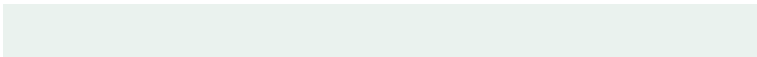
81.4765, 83.8981, 92.7927

Split Complementary

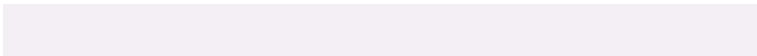
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6374, 87.1697, 93.6981



81.1164, 87.1697, 93.4391



84.1137, 87.1697, 98.7498

Square

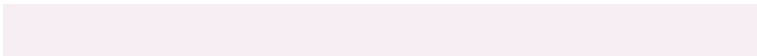
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



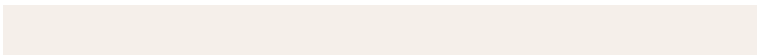
81.1164, 87.1697, 93.4391



82.3359, 87.1697, 100.0078



84.6126, 87.1697, 96.4023



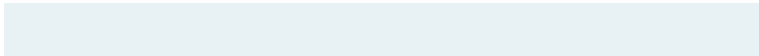
83.3706, 87.1697, 89.9942

Rectangle

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



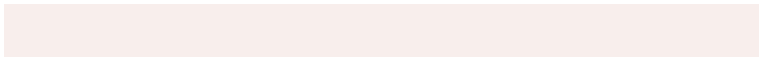
81.1164, 87.1697, 93.4391



81.3415, 87.1697, 97.8250



84.6126, 87.1697, 96.4023



84.3814, 87.1697, 92.0594

Sweetspot

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



81.1189, 87.1734, 93.4410



93.9133, 99.4377, 107.7783



81.9112, 87.6491, 90.4438



20.1133, 21.2897, 23.0809



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

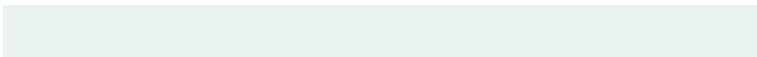
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1189, 87.1734, 93.4410



90.5857, 97.7922, 104.4598



81.6938, 87.4034, 96.4686



16.8216, 18.2456, 19.4193



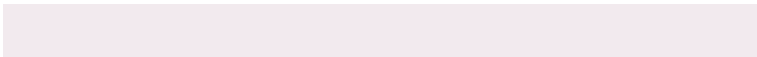
18.9787, 34.8835, 15.8029



1.6291, 2.9221, 1.5791

Inverse Universe

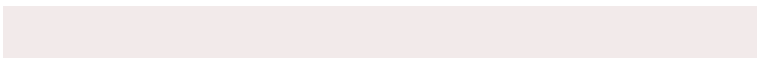
The Inverse Universe completely reimagines the original color for something new.



81.4765, 83.8981, 92.7927



91.0719, 93.3399, 103.5786



80.9138, 83.6730, 89.8295



16.9286, 17.2658, 19.2254



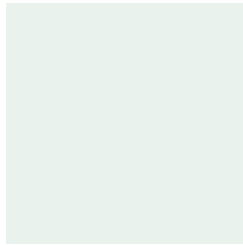
21.5963, 10.9110, 11.0567



1.8468, 0.9278, 1.1843

Previews

White Background



This preview shows how the XYZ color 81.1164, 87.1697, 93.4391 looks on a white background.

Color Contrast Check

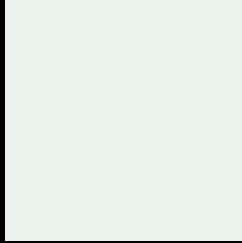
Large Text (above 18pt) WCAG AA × Fail

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 81.1164, 87.1697, 93.4391 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

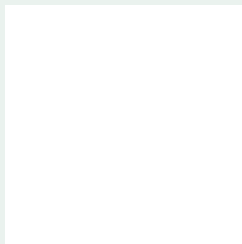
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.1164, 87.1697, 93.4391

Background



This preview shows how black text looks on a background with the XYZ color 81.1164, 87.1697, 93.4391.



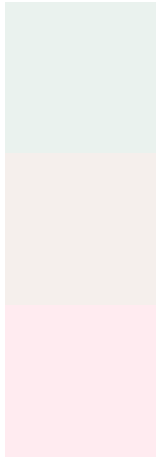
This preview shows how white text looks on a background with the XYZ color 81.1164, 87.1697,

93.4391.

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

81.1164, 87.1697, 93.4391

Protanopia

83.6630, 87.2016, 91.7790

Deuteranopia

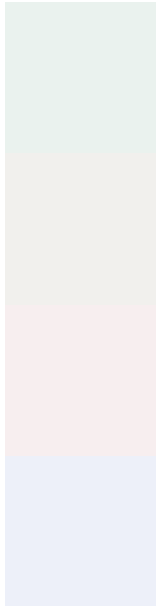
86.6765, 86.9679, 94.6562



Tritanopia

84.1764, 87.1301, 106.9890

Trichromacy



Original Color

81.1164, 87.1697, 93.4391

Protanomaly

82.7218, 87.1354, 92.5797

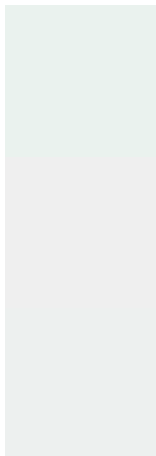
Deuteranomaly

84.5123, 87.1552, 94.0297

Tritanomaly

83.1840, 87.1643, 102.0626

Monochromacy



Original Color

81.1164, 87.1697, 93.4391

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.6651, 86.5567, 94.0643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1164, 87.1697, 93.4391 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(234, 242, 238) looks like.

```
.text, #text, p{  
    color:rgb(234, 242, 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(234, 242, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 242, 238) }
```

Border

The CSS property to change the border of an element to XYZ 81.1164, 87.1697, 93.4391 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(234, 242, 238) }
```


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

```
.border{ border-color:rgb(234, 242, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 242, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 242, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 242, 238);  
box-shadow:4px 4px 4px 4px rgb(234, 242,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1164, 87.1697, 93.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 242, 238) }
```

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

```
.background{ background-color: rgb(234,  
242, 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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