

Converting Colors

XYZ(81.7725, 86.4423, 94.8217)

Have a look what the booklet for
XYZ(81.7725, 86.4423, 94.8217)
contains.

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Color

**XYZ(81.8133, 86.6160,
94.8446)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF0F0
RGB	237, 240, 240
RGB Percent	93%, 94%, 94%
CMY	0.0706, 0.0588, 0.0588
CMYK	0.01, 0.00, 0.00, 0.06
HSL	180°, 9%, 94%
HSV	180°, 1%, 94%
XYZ	81.8133, 86.6160, 94.8446
YIQ	239.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

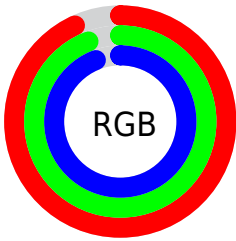
Format	Color
R _Y B	237, 239, 240
Decimal	15593712
CIE Lab	94.58, -0.99, -0.36
CIE LCh	95, 1.054, 199.933
Yxy	86.6160, 0.3108, 0.3290
Android (android.graphics.Color)	4293783792 (0xFFEDF0F0)
YUV	239.1030, 0.4422, -1.8443
Hunter-Lab	93.0677, -5.9540, 4.7254

Details

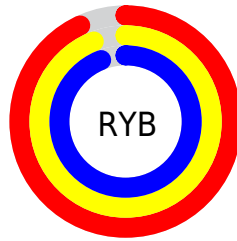
The XYZ color **81.8133, 86.6160, 94.8446** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.5086, 85.2103, 92.2763**, and the grayscale version is **82.1241, 86.4009, 94.0906**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8483, 47.5654, 52.1647** is the 20% darker color. If you saturate the color by 10%, you get **74.3262, 82.7593, 94.4707**, and if you desaturate by 10%, it is **88.1350, 89.8769, 95.1675**.

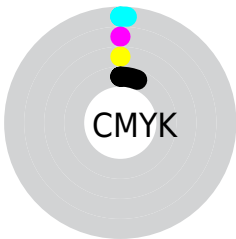
Distribution



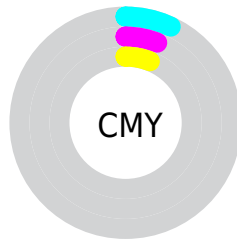
- Red (93%)
- Green (94%)
- Blue (94%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8133, 86.6160, 94.8446 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 81.8133, 86.6160, 94.8446 by changing the saturation by 10% instead.

81.8133, 86.6160,
94.8446

81.8133, 86.6160,
94.8446

489.6669,
516.9602, 564.6390

61.5252, 65.1775,
71.4095

134.8493,
142.6288, 156.0436

44.9033, 47.6050,
52.1925

168.3280,
177.9718, 194.6446

31.5822, 33.5142,
36.7753

206.9343,
218.7185, 239.1379

21.1966, 22.5206,
24.7391

251.0335,
265.2532, 289.9422

13.3811, 14.2400,
15.6655

300.9910,
317.9604, 347.4759

7.7703, 8.2877,
9.1360

357.1722,

3.9989, 4.2796,

377.2243, 412.1575

4.7320

419.9424,
443.4295, 484.4057

■ 1.7015, 1.8312,
2.0349

■ 0.4572, 0.5065,
0.5766

■ 81.8133, 86.6160,
94.8446

■ 81.8133, 86.6160,
94.8446

■ 74.3262, 82.7593,
94.4707

■ 88.1350, 89.8769,
95.1675

■ 67.8669, 79.4299,
94.1432

■ 88.1399, 89.8788,
95.1930

■ 62.3927, 76.6084,
93.8617

■ 88.1447, 89.8807,
95.2185

■ 57.8552, 74.2698,
93.6241

■ 88.1496, 89.8827,
95.2440

■ 54.2019, 72.3871,
93.4279

■ 88.1544, 89.8846,
95.2696

■ 51.3752, 70.9304,
93.2703

■ 88.1593, 89.8866,
95.2951

■ 49.3104, 69.8665,
93.1485

■ 88.1641, 89.8885,
95.3206

■ 47.9335, 69.1573,
93.0588

■ 88.1690, 89.8904,
95.3462

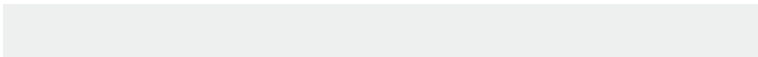
■ 47.1558, 68.7569,
92.9971

■ 88.1738, 89.8924,
95.3717

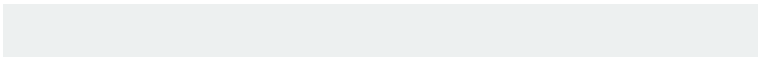
Harmonies

Analogous

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



81.7891, 86.6160, 94.0368



81.8133, 86.6160, 94.8446



81.9747, 86.6160, 95.5128

Triad

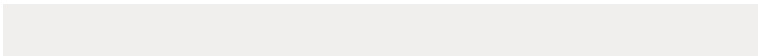
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8133, 86.6160, 94.8446



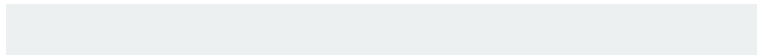
82.7448, 86.6160, 95.3210



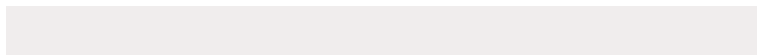
82.4215, 86.6160, 92.7777

Complementary

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



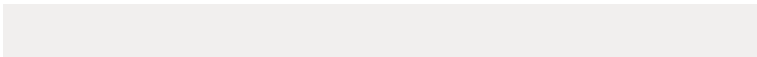
81.8133, 86.6160, 94.8446



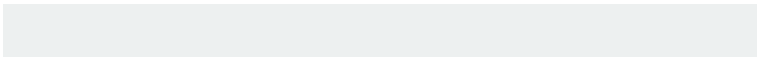
81.5086, 85.2103, 92.2763

Split Complementary

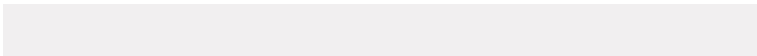
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6781, 86.6160, 93.1176



81.8133, 86.6160, 94.8446



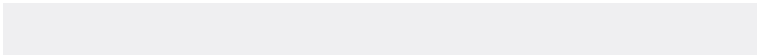
82.8651, 86.6160, 94.5839

Square

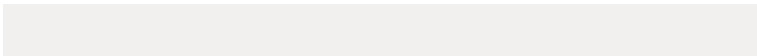
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



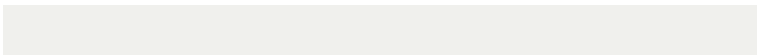
81.8133, 86.6160, 94.8446



82.5123, 86.6160, 95.7889



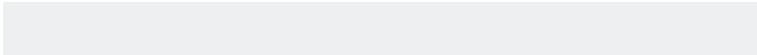
82.8407, 86.6160, 93.7776



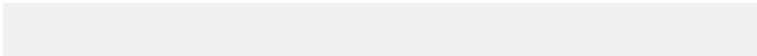
82.1398, 86.6160, 92.8466

Rectangle

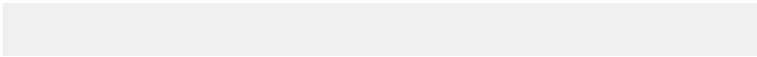
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



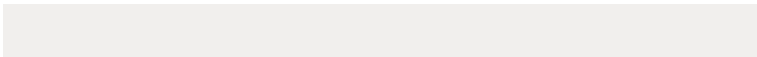
81.8133, 86.6160, 94.8446



82.1386, 86.6160, 95.7876



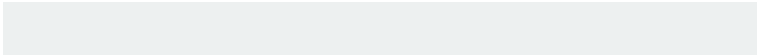
82.8407, 86.6160, 93.7776



82.5135, 86.6160, 92.8478

Sweetspot

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



81.8158, 86.6197, 94.8465

95.0500, 100.0000, 108.9000



81.3903, 86.4515, 92.5190



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

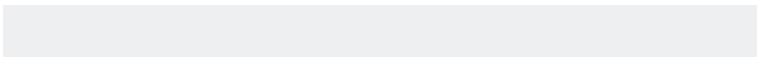
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8158, 86.6197, 94.8465



93.1974, 99.0451, 108.8075



81.3906, 85.7684, 94.7078



17.4765, 18.5626, 20.3824



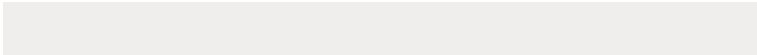
25.6413, 37.5485, 50.8875



2.1334, 3.1238, 4.2349

Inverse Universe

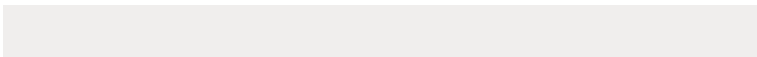
The Inverse Universe completely reimagines the original color for something new.



81.5086, 85.2103, 92.2763



92.6353, 96.4654, 104.1033



81.9302, 86.0543, 92.4139



17.3769, 18.1059, 19.5495



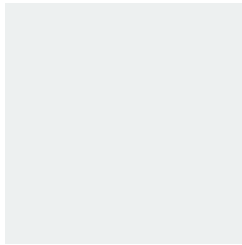
19.6728, 10.1416, 0.9278



1.6369, 0.8438, 0.0788

Previews

White Background



This preview shows how the XYZ color 81.8133, 86.6160, 94.8446 looks on a white background.

Color Contrast Check

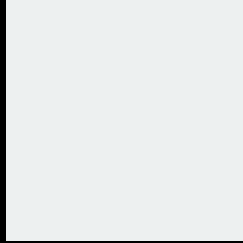
Large Text (above 18pt) WCAG AA × Fail

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 81.8133, 86.6160, 94.8446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

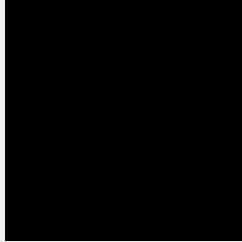
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

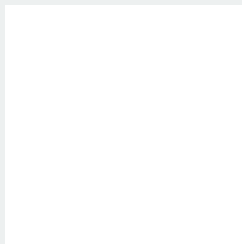
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.8133, 86.6160, 94.8446

Background



This preview shows how black text looks on a background with the XYZ color 81.8133, 86.6160, 94.8446.



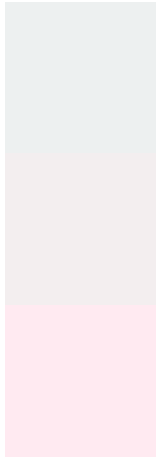
This preview shows how white text looks on a background with the XYZ color 81.8133, 86.6160,

94.8446.

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

81.8133, 86.6160, 94.8446

Protanopia

83.1167, 86.4358, 93.9644

Deuteranopia

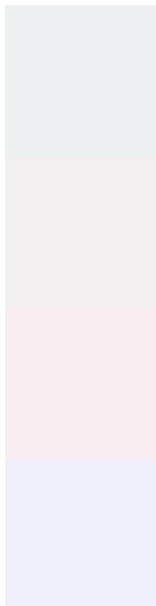
86.5400, 86.4565, 95.3457



Tritanopia

84.5597, 86.8943, 106.9233

Trichromacy



Original Color

81.8133, 86.6160, 94.8446

Protanomaly

82.7221, 86.6658, 94.0296

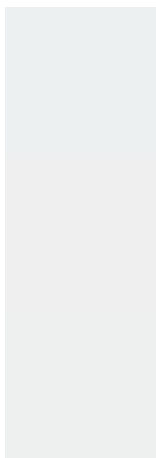
Deuteranomaly

84.5840, 86.2982, 95.4183

Tritanomaly

83.7184, 86.9859, 102.8200

Monochromacy



Original Color

81.8133, 86.6160, 94.8446

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.7064, 86.1421, 93.9821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8133, 86.6160, 94.8446 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(237, 240, 240) looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 240)  
}
```

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(237, 240, 240) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 81.8133, 86.6160, 94.8446 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(237, 240, 240) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 81.8133, 86.6160, 94.8446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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