

# Converting Colors

XYZ(81.0819, 86.1503, 94.3051)

Have a look what the booklet for  
XYZ(81.0819, 86.1503, 94.3051)  
contains.

<b>XYZ(81.0010, 86.2143, 94.0332)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.0010, 86.2143,  
94.0332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF0EF
RGB	235, 240, 239
RGB Percent	92%, 94%, 94%
CMY	0.0784, 0.0588, 0.0627
CMYK	0.02, 0.00, 0.00, 0.06
HSL	168°, 14%, 93%
HSV	168°, 2%, 94%
XYZ	81.0010, 86.2143, 94.0332
YIQ	238.3910, -2.6590, -1.3710

# Conversions

## Conversions Part 2

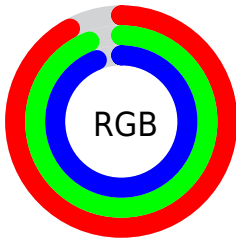
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 238, 240
Decimal	15462639
CIE Lab	94.40, -1.83, -0.11
CIE LCh	94, 1.836, 183.385
Yxy	86.2143, 0.3101, 0.3300
Android (android.graphics.Color)	4293652719 (0xFFEBF0EF)
YUV	238.3910, 0.3002, -2.9739
Hunter-Lab	92.8517, -6.7724, 4.9517

# Details

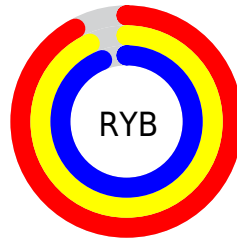
The XYZ color **81.0010, 86.2143, 94.0332** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.7870, 84.0003, 91.3168**, and the grayscale version is **81.5723, 85.8204, 93.4584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2781, 47.2836, 51.5927** is the 20% darker color. If you saturate the color by 10%, you get **72.9042, 82.1238, 89.9918**, and if you desaturate by 10%, it is **88.7030, 90.1040, 98.1586**.

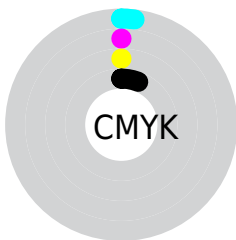
# Distribution



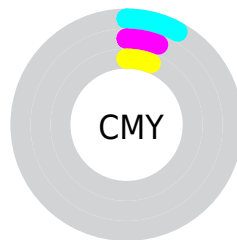
- Red (92%)
- Green (94%)
- Blue (94%)



- Red (92%)
- Yellow (93%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0010, 86.2143, 94.0332 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 81.0010, 86.2143, 94.0332 by changing the saturation by 10% instead.



81.0010, 86.2143,  
94.0332

81.0010, 86.2143,  
94.0332

486.9852,  
515.6376, 561.9703

60.8537, 64.8452,  
70.7381

133.7153,  
142.0685, 154.9123

44.3592, 47.3356,  
51.6480

167.0131,  
177.3224, 193.3335

31.1521, 33.3010,  
36.3443

205.4250,  
217.9733, 237.6337

20.8671, 22.3571,  
24.4084

249.3165,  
264.4057, 288.2316

13.1388, 14.1196,  
15.4219

299.0529,  
317.0039, 345.5456

7.6019, 8.2039,  
8.9661

354.9996,

3.8909, 4.2257,

376.1524, 409.9944

4.6226

417.5219,  
442.2355, 481.9965

■ 1.6406, 1.8006,  
1.9727

■ 0.4187, 0.4875,  
0.5384

■ 81.0010, 86.2143,  
94.0332

■ 81.0010, 86.2143,  
94.0332

■ 72.9042, 82.1238,  
89.9918

■ 88.7030, 90.1040,  
98.1586

■ 65.8503, 78.5663,  
86.0957

■ 89.4431, 90.4000,  
102.0560

■ 59.7963, 75.5221,  
82.3437

■ 90.2025, 90.7038,  
106.0548

■ 54.6933, 72.9661,  
78.7329

■ 90.4517, 90.8035,  
107.3672

■ 50.4883, 70.8708,  
75.2599

■ 47.1229, 69.2063,  
71.9213

■ 44.5318, 67.9389,  
68.7132

■ 42.6398, 67.0298,  
65.6312

■ 41.3564, 66.4323,  
62.6703

# Harmonies

## Analogous

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



81.0991, 86.2143, 92.6612



81.0010, 86.2143, 94.0332



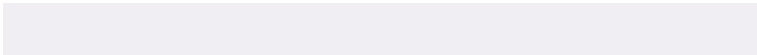
81.1547, 86.2143, 95.3753

# Triad

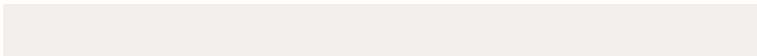
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0010, 86.2143, 94.0332



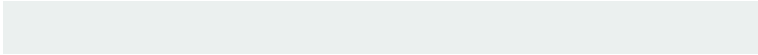
82.4671, 86.2143, 96.1590



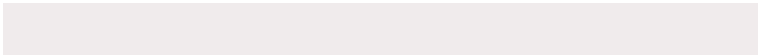
82.3697, 86.2143, 91.4652

# Complementary

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



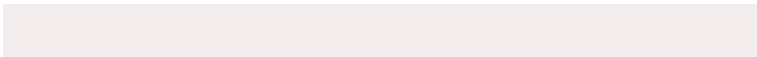
81.0010, 86.2143, 94.0332



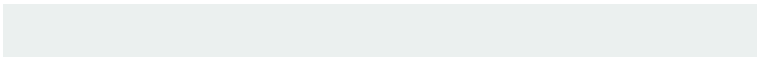
80.7870, 84.0003, 91.3168

# Split Complementary

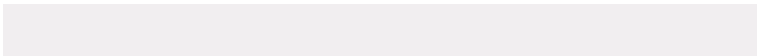
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7386, 86.2143, 92.3860



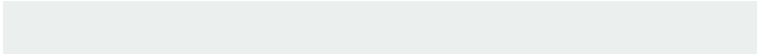
81.0010, 86.2143, 94.0332



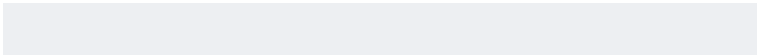
82.7949, 86.2143, 95.0948

# Square

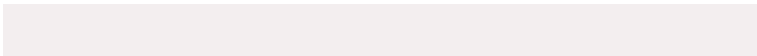
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



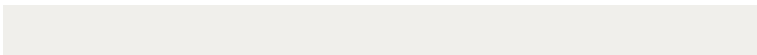
81.0010, 86.2143, 94.0332



82.0001, 86.2143, 96.6103



82.8945, 86.2143, 93.7124

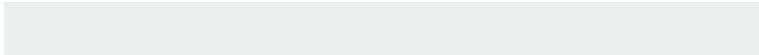


81.8881, 86.2143, 91.1873

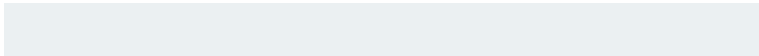


# Rectangle

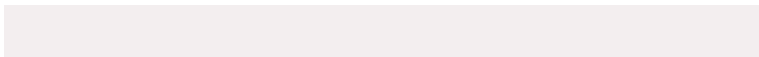
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



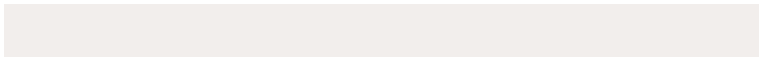
81.0010, 86.2143, 94.0332



81.3798, 86.2143, 96.0698



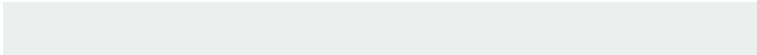
82.8945, 86.2143, 93.7124



82.5111, 86.2143, 91.7094

# Sweetspot

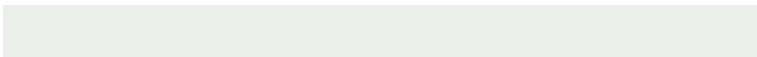
The Sweet Spot groups the original color and five complimentary colors.



81.0034, 86.2180, 94.0351



94.0358, 99.4867, 108.4232



80.7779, 86.1693, 90.9733



20.1382, 21.2996, 23.2121



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.



81.0034, 86.2180, 94.0351



92.0452, 98.4794, 107.4748



80.7364, 85.4459, 94.6799



17.0991, 18.3748, 20.0631



22.3058, 36.2143, 33.3229

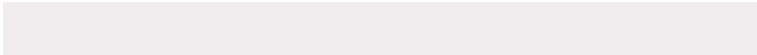


1.8897, 3.0263, 2.9516



# Inverse Universe

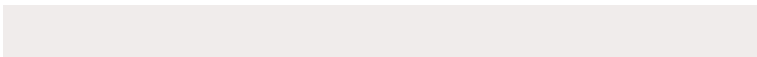
The Inverse Universe completely reimagines the original color for something new.



80.7870, 84.0003, 91.3168



91.6888, 94.8282, 102.9994



81.0490, 84.7572, 90.6865



17.0155, 17.5180, 19.0129



20.0028, 10.2735, 2.6652

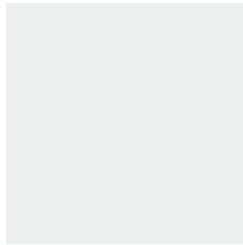


1.6984, 0.8684, 0.4025



# Previews

## White Background



This preview shows how the XYZ color 81.0010, 86.2143, 94.0332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

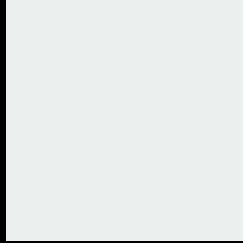
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0010, 86.2143, 94.0332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

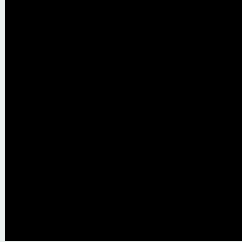
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

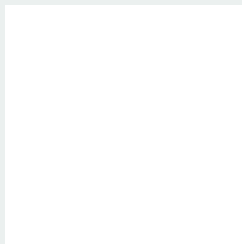
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.0010, 86.2143, 94.0332

## Background



This preview shows how black text looks on a background with the XYZ color 81.0010, 86.2143, 94.0332.



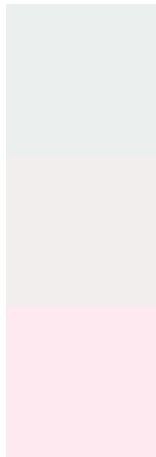
This preview shows how white text looks on a background with the XYZ color 81.0010, 86.2143, 94.0332.

94.0332.

# 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

81.0010, 86.2143, 94.0332

### Protanopia

82.9693, 86.3768, 93.1884

### Deuteranopia

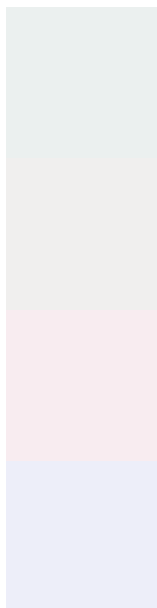
86.1071, 85.8291, 94.4664



## Tritanopia

83.5941, 85.9655, 106.7949

# Trichromacy



## Original Color

81.0010, 86.2143, 94.0332

## Protanomaly

82.2343, 86.4313, 93.2376

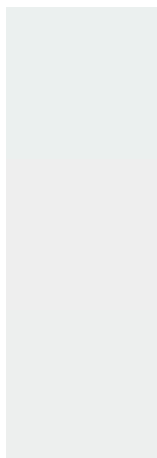
## Deuteranomaly

84.4350, 86.2386, 94.6336

## Tritanomaly

82.5985, 85.9931, 101.8675

# Monochromacy



## Original Color

81.0010, 86.2143, 94.0332

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.2242, 85.9106, 93.1903

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0010, 86.2143, 94.0332 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(235, 240, 239) looks like.

```
.text, #text, p{  
    color:rgb(235, 240, 239)  
}
```

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(235, 240, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 240, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0010, 86.2143, 94.0332 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(235, 240, 239) }
```



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

```
.border{ border-color:rgb(235, 240, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 240, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 240, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 240, 239);  
box-shadow:4px 4px 4px 4px rgb(235, 240,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0010, 86.2143, 94.0332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 240, 239) }
```

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

```
.background{ background-color: rgb(235,  
240, 239) }
```

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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