

# Converting Colors

XYZ(81.4358, 86.8009, 94.7988)

Have a look what the booklet for  
XYZ(81.4358, 86.8009, 94.7988)  
contains.

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# Color

**XYZ(81.4444, 86.8640,  
94.9119)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBF1F0
RGB	235, 241, 240
RGB Percent	92%, 95%, 94%
CMY	0.0784, 0.0549, 0.0588
CMYK	0.02, 0.00, 0.00, 0.05
HSL	170°, 18%, 93%
HSV	170°, 2%, 95%
XYZ	81.4444, 86.8640, 94.9119
YIQ	239.0920, -3.2550, -1.5830

# Conversions

## Conversions Part 2

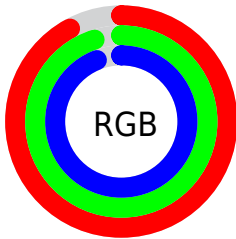
Format	Color
R <sub>Y</sub> B	235, 238, 241
Decimal	15462896
CIE Lab	94.68, -2.16, -0.22
CIE LCh	95, 2.173, 185.886
Yxy	86.8640, 0.3094, 0.3300
Android (android.graphics.Color)	4293652976 (0xFFEBF1F0)
YUV	239.0920, 0.4476, -3.5887
Hunter-Lab	93.2009, -7.1177, 4.8621

# Details

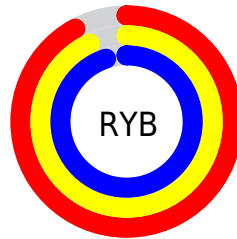
The XYZ color **81.4444, 86.8640, 94.9119** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.1275, 84.1758, 91.3328**, and the grayscale version is **82.1162, 86.3927, 94.0816**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5911, 47.7423, 52.2124** is the 20% darker color. If you saturate the color by 10%, you get **73.4288, 82.8027, 91.4478**, and if you desaturate by 10%, it is **89.0309, 90.7075, 98.4289**.

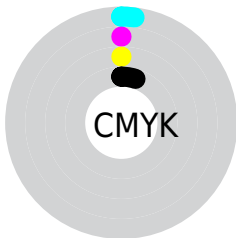
# Distribution



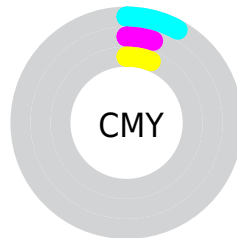
- Red (92%)
- Green (95%)
- Blue (94%)



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



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



- Cyan (8%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4444, 86.8640, 94.9119 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 81.4444, 86.8640, 94.9119 by changing the saturation by 10% instead.



81.4444, 86.8640,  
94.9119

81.4444, 86.8640,  
94.9119

488.4501,  
517.7759, 564.8600

61.2202, 65.3827,  
71.4652

134.3345,  
142.9746, 156.1374

44.6561, 47.7714,  
52.2377

167.7311,  
178.3726, 194.7533

31.3868, 33.6459,  
36.8111

206.2492,  
219.1783, 239.2626

21.0468, 22.6217,  
24.7666

250.2542,  
265.7761, 290.0839

13.2709, 14.3144,  
15.6858

300.1114,  
318.5503, 347.6358

7.6936, 8.3397,  
9.1502

356.1862,

3.9497, 4.3131,

377.8854, 412.3367

4.7411

418.8440,  
444.1658, 484.6053

■ 1.6737, 1.8502,  
2.0401

■ 0.4397, 0.5182,  
0.5798

■ 81.4444, 86.8640,  
94.9119

■ 81.4444, 86.8640,  
94.9119

■ 73.4288, 82.8027,  
91.4478

■ 89.0309, 90.7075,  
98.4289

■ 66.4589, 79.2764,  
88.0998

■ 89.6498, 90.9550,  
101.6879

■ 60.4912, 76.2653,  
84.8672

■ 90.2821, 91.2080,  
105.0178

■ 55.4762, 73.7439,  
81.7473

■ 90.7469, 91.3939,  
107.4656

■ 51.3602, 71.6843,  
78.7371

■ 48.0840, 70.0563,  
75.8334

■ 45.5813, 68.8255,  
73.0325

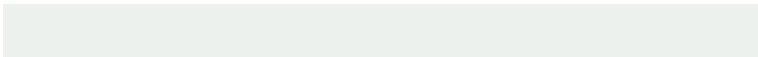
■ 43.7759, 67.9527,  
70.3305

■ 42.5753, 67.3902,  
67.7226

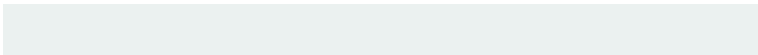
# Harmonies

## Analogous

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



81.5361, 86.8640, 93.2662



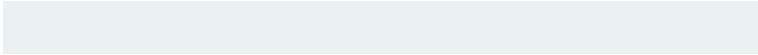
81.4444, 86.8640, 94.9119



81.6509, 86.8640, 96.4869

# Triad

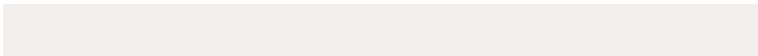
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4444, 86.8640, 94.9119



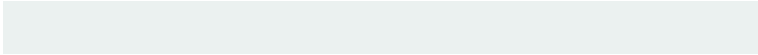
83.2248, 86.8640, 97.2222



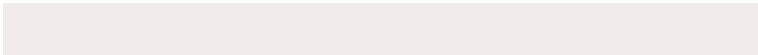
83.0234, 86.8640, 91.6614

# Complementary

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



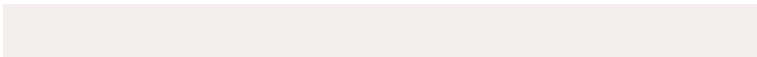
81.4444, 86.8640, 94.9119



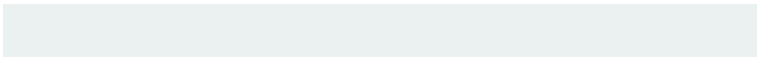
81.1275, 84.1758, 91.3328

# Split Complementary

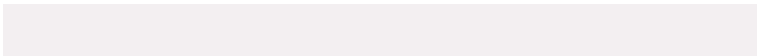
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4791, 86.8640, 92.6987



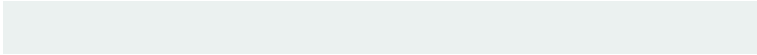
81.4444, 86.8640, 94.9119



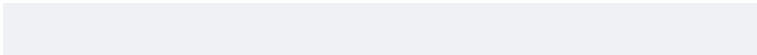
83.5957, 86.8640, 95.9064

# Square

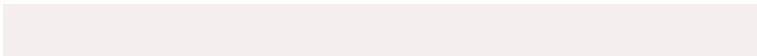
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4444, 86.8640, 94.9119



82.6774, 86.8640, 97.8309



83.6890, 86.8640, 94.2491

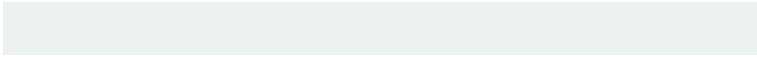


82.4460, 86.8640, 91.4022

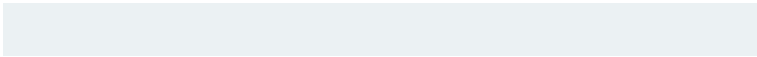


# Rectangle

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



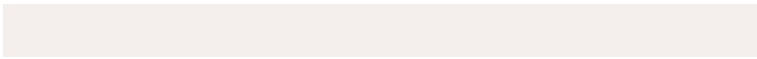
81.4444, 86.8640, 94.9119



81.9305, 86.8640, 97.2807



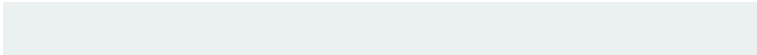
83.6890, 86.8640, 94.2491



83.1960, 86.8640, 91.9300

# Sweetspot

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



81.4469, 86.8677, 94.9138



94.0495, 99.4921, 108.4952



81.0787, 86.7625, 91.0721



20.1410, 21.3008, 23.2267



0.0000, 0.0000, 0.0000

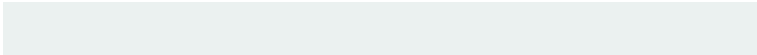


20.3446, 21.4041, 23.3091



# Same Dimension

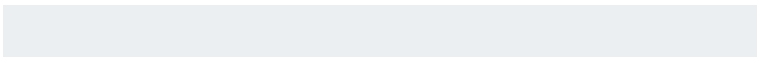
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4469, 86.8677, 94.9138



92.0860, 98.4957, 107.6898



81.0366, 85.8078, 95.5149



17.1087, 18.3786, 20.1137



22.7990, 36.4116, 35.9203

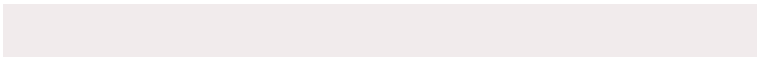


1.9265, 3.0410, 3.1452

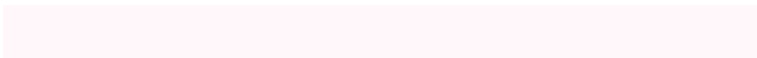


# Inverse Universe

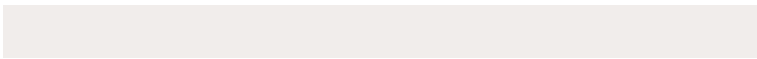
The Inverse Universe completely reimagines the original color for something new.



81.1275, 84.1758, 91.3328



91.6490, 94.8122, 102.7897



81.5292, 85.2122, 90.7491



17.0062, 17.5142, 18.9639



19.9149, 10.2384, 2.2023

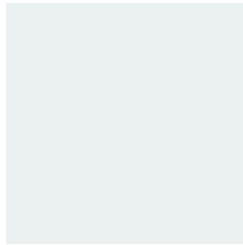


1.6879, 0.8642, 0.3472



# Previews

## White Background



This preview shows how the XYZ color 81.4444, 86.8640, 94.9119 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

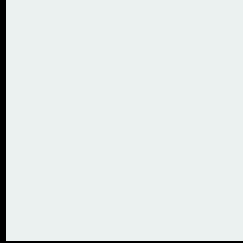
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.4444, 86.8640, 94.9119 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

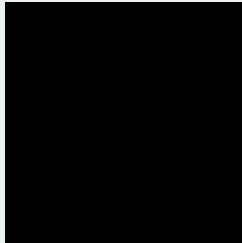
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

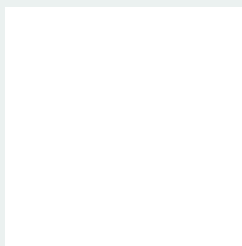
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.4444, 86.8640, 94.9119**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.4444, 86.8640, 94.9119.



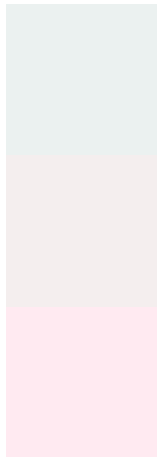
This preview shows how white text looks on a background with the XYZ color 81.4444, 86.8640,

94.9 19.

# 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

81.4444, 86.8640, 94.9119

### Protanopia

83.3154, 86.5552, 93.2046

### Deuteranopia

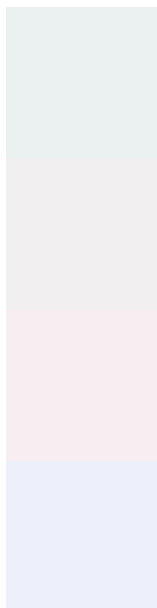
86.5400, 86.4565, 95.3457



## Tritanopia

84.1764, 87.1301, 106.9890

# Trichromacy



## Original Color

81.4444, 86.8640, 94.9119

## Protanomaly

82.7221, 86.6658, 94.0296

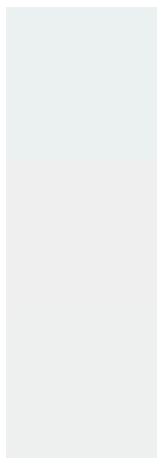
## Deuteranomaly

84.8728, 86.8757, 95.5145

## Tritanomaly

83.3405, 87.2268, 102.8864

# Monochromacy



## Original Color

81.4444, 86.8640, 94.9119

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.0000, 86.7293, 94.0799

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.4444, 86.8640, 94.9119 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, 241, 240) looks like.

```
.text, #text, p{  
    color:rgb(235, 241, 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(235, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 241, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 81.4444, 86.8640, 94.9119 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, 241, 240) }
```



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

```
.border{ border-color:rgb(235, 241, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(235, 241,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.4444, 86.8640, 94.9119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 241, 240) }
```

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

```
.background{ background-color: rgb(235,  
241, 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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