

# Converting Colors

XYZ(81.8679, 88.1974, 99.9021)

Have a look what the booklet for  
XYZ(81.8679, 88.1974, 99.9021)  
contains.

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# Color

**XYZ(81.9402, 88.3441,  
99.9222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7F4F6
RGB	231, 244, 246
RGB Percent	91%, 96%, 96%
CMY	0.0941, 0.0431, 0.0353
CMYK	0.06, 0.01, 0.00, 0.04
HSL	188°, 45%, 94%
HSV	188°, 6%, 96%
XYZ	81.9402, 88.3441, 99.9222
YIQ	240.3410, -8.3900, -2.1340

# Conversions

## Conversions Part 2

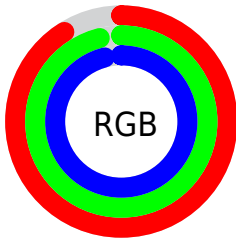
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 238, 246
Decimal	15201526
CIE Lab	95.31, -3.89, -2.45
CIE LCh	95, 4.601, 212.169
Yxy	88.3441, 0.3033, 0.3270
Android (android.graphics.Color)	4293391606 (0xFFE7F4F6)
YUV	240.3410, 2.7899, -8.1921
Hunter-Lab	93.9915, -8.8720, 2.7630

# Details

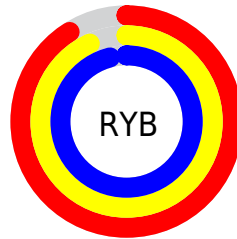
The XYZ color **81.9402, 88.3441, 99.9222** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.5690, 83.6394, 87.4475**, and the grayscale version is **83.0772, 87.4037, 95.1826**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9567, 48.7981, 55.7647** is the 20% darker color. If you saturate the color by 10%, you get **73.5760, 82.5852, 99.2528**, and if you desaturate by 10%, it is **91.2211, 94.6064, 100.6431**.

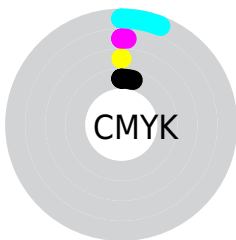
# Distribution



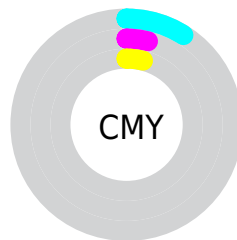
- Red (91%)
- Green (96%)
- Blue (96%)



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



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9402, 88.3441, 99.9222 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 81.9402, 88.3441, 99.9222 by changing the saturation by 10% instead.



81.9402, 88.3441,  
99.9222

81.9402, 88.3441,  
99.9222

490.0852,  
522.6294, 581.1878

61.6302, 66.6081,  
75.6190

135.0264,  
145.0361, 163.1012

44.9884, 48.7662,  
55.6154

168.5333,  
180.7609, 202.8141

31.6495, 34.4340,  
39.4927

207.1699,  
221.9174, 248.5007

21.2482, 23.2272,  
26.8325

251.3014,  
268.8900, 300.5796

13.4190, 14.7614,  
17.2161

301.2934,  
322.0631, 359.4691

7.7967, 8.6521,  
10.2251

357.5111,

4.0159, 4.5150,

381.8211, 425.5880

5.4409

420.3199,  
448.5484, 499.3547

■ 1.7111, 1.9656,  
2.4450

■ 0.4632, 0.5874,  
0.8108

■ 81.9402, 88.3441,  
99.9222

■ 81.9402, 88.3441,  
99.9222

■ 73.5760, 82.5852,  
99.2528

■ 91.2211, 94.6064,  
100.6431

■ 66.2963, 77.4088,  
98.6374

■ 92.2325, 96.6294,  
100.9803

■ 60.0540, 72.7929,  
98.0754

■ 93.2617, 98.6877,  
101.3234

■ 54.7957, 68.7098,  
97.5644

■ 93.6348, 99.4339,  
101.4477

■ 50.4628, 65.1293,  
97.1017

■ 46.9909, 62.0178,  
96.6841

■ 44.3067, 59.3377,  
96.3083

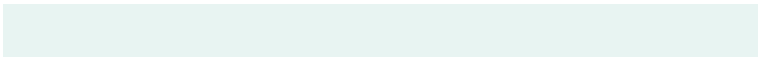
■ 42.3247, 57.0446,  
95.9701

■ 40.9389, 55.0837,  
95.6647

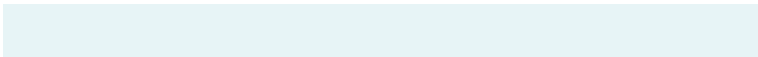
# Harmonies

## Analogous

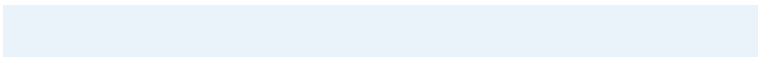
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5776, 88.3441, 96.4537



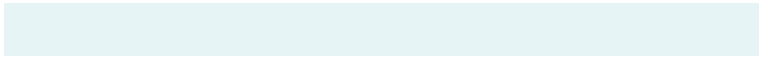
81.9402, 88.3441, 99.9222



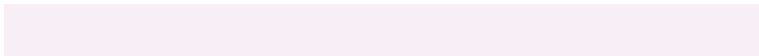
82.8457, 88.3441, 102.4402

# Triad

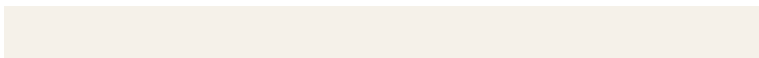
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9402, 88.3441, 99.9222



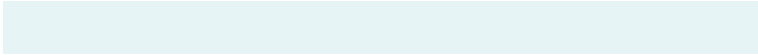
86.1228, 88.3441, 99.4579



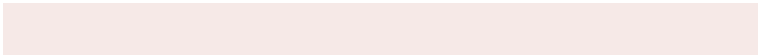
83.8770, 88.3441, 89.4429

# Complementary

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



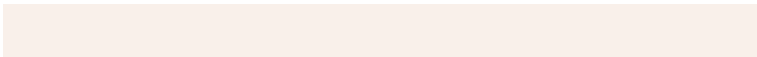
81.9402, 88.3441, 99.9222



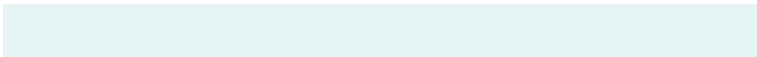
81.5690, 83.6394, 87.4475

# Split Complementary

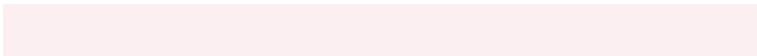
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1012, 88.3441, 90.2026



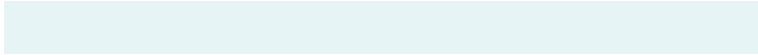
81.9402, 88.3441, 99.9222



86.4055, 88.3441, 95.9302

# Square

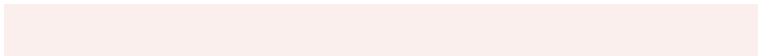
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9402, 88.3441, 99.9222



85.2611, 88.3441, 102.1674



86.0298, 88.3441, 92.5552



82.6889, 88.3441, 90.4537

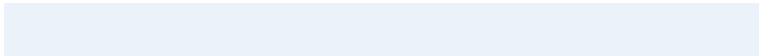


# Rectangle

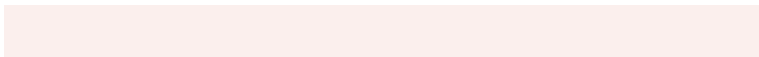
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9402, 88.3441, 99.9222



83.6397, 88.3441, 103.2093



86.0298, 88.3441, 92.5552



84.2980, 88.3441, 89.4996

# Sweetspot

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



81.9427, 88.3478, 99.9241



92.9824, 98.6133, 108.7413



80.5844, 88.7708, 89.7922



19.9237, 21.1219, 23.2768



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

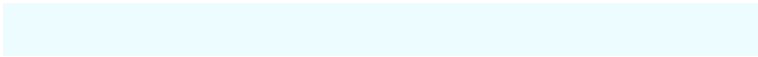


# Same Dimension

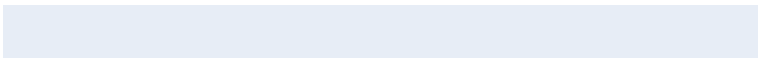
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9427, 88.3478, 99.9241



88.0320, 95.2641, 108.3558



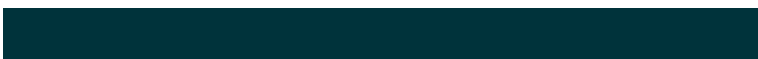
79.8027, 84.0679, 99.2108



17.1466, 18.5982, 21.2286



21.6898, 29.1734, 51.0259



1.9574, 2.6663, 4.5017



# Inverse Universe

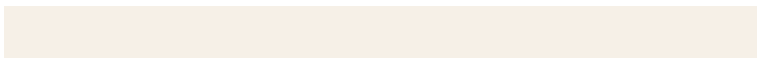
The Inverse Universe completely reimagines the original color for something new.



82.9130, 83.2779, 97.2966



89.2375, 88.9832, 105.0874



83.6649, 87.8313, 88.1461



17.4014, 17.2727, 20.5371



26.7525, 13.0444, 35.0008

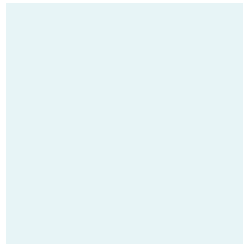


2.3771, 1.1568, 3.2121



# Previews

## White Background



This preview shows how the XYZ color 81.9402, 88.3441, 99.9222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

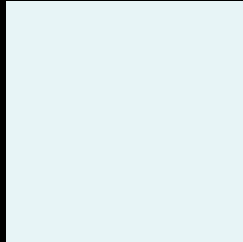
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9402, 88.3441, 99.9222 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

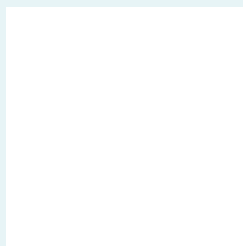
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.9402, 88.3441, 99.9222

## Background



This preview shows how black text looks on a background with the XYZ color 81.9402, 88.3441, 99.9222.



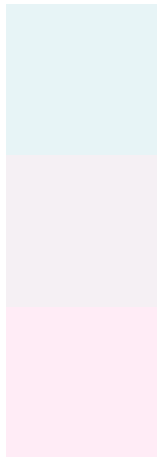
This preview shows how white text looks on a background with the XYZ color 81.9402, 88.3441,

99.9222.

# 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

81.9402, 88.3441, 99.9222

### Protanopia

85.1454, 88.2643, 98.1370

### Deuteranopia

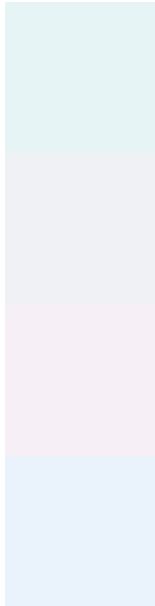
87.8700, 87.9047, 99.5248



## Tritanopia

84.3942, 88.5571, 107.2529

# Trichromacy



## Original Color

81.9402, 88.3441, 99.9222

## Protanomaly

83.8719, 88.0284, 98.9569

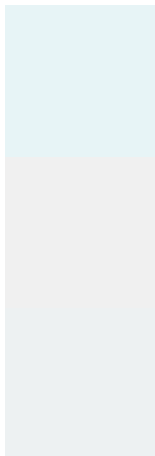
## Deuteranomaly

85.5071, 87.9797, 99.6638

## Tritanomaly

83.5530, 88.6219, 104.7975

# Monochromacy



## Original Color

81.9402, 88.3441, 99.9222

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.4074, 87.3259, 96.5167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9402, 88.3441, 99.9222 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(231, 244, 246) looks like.

```
.text, #text, p{  
    color:rgb(231, 244, 246)  
}
```

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(231, 244, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 244, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9402, 88.3441, 99.9222 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(231, 244, 246) }
```



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

```
.border{ border-color:rgb(231, 244, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 244, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 244, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 244, 246);  
box-shadow:4px 4px 4px 4px rgb(231, 244,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9402, 88.3441, 99.9222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 244, 246) }
```

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

```
.background{ background-color: rgb(231,  
244, 246) }
```

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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