

Converting Colors

XYZ(81.7959, 87.9697, 99.5068)

Have a look what the booklet for
XYZ(81.7959, 87.9697, 99.5068)
contains.

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Color

**XYZ(81.6401, 87.7439,
99.8222)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F3F6
RGB	231, 243, 246
RGB Percent	91%, 95%, 96%
CMY	0.0941, 0.0470, 0.0353
CMYK	0.06, 0.01, 0.00, 0.04
HSL	192°, 45%, 94%
HSV	192°, 6%, 96%
XYZ	81.6401, 87.7439, 99.8222
YIQ	239.7540, -8.1150, -1.6110

Conversions

Conversions Part 2

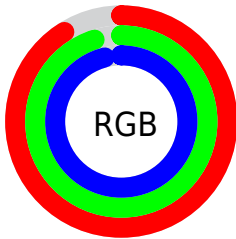
Format	Color
R _Y B	231, 238, 246
Decimal	15201270
CIE Lab	95.05, -3.39, -2.82
CIE LCh	95, 4.407, 219.782
Yxy	87.7439, 0.3033, 0.3259
Android (android.graphics.Color)	4293391350 (0xFFE7F3F6)
YUV	239.7540, 3.0793, -7.6773
Hunter-Lab	93.6717, -8.3528, 2.3872

Details

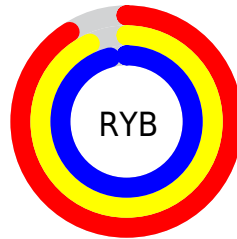
The XYZ color **81.6401, 87.7439, 99.8222** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.8529, 84.2073, 87.5421**, and the grayscale version is **82.6154, 86.9179, 94.6535**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7438, 48.3723, 55.6937** is the 20% darker color. If you saturate the color by 10%, you get **72.8013, 81.0357, 98.9946**, and if you desaturate by 10%, it is **91.4174, 94.9992, 100.7086**.

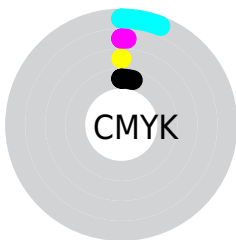
Distribution



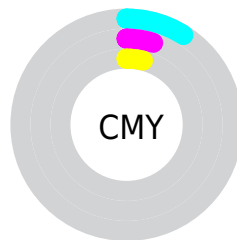
- Red (91%)
- Green (95%)
- Blue (96%)



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



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



- Cyan (9%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6401, 87.7439, 99.8222 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 81.6401, 87.7439, 99.8222 by changing the saturation by 10% instead.

81.6401, 87.7439,
99.8222

81.6401, 87.7439,
99.8222

489.0958,
520.6642, 580.8643

61.3820, 66.1110,
75.5360

134.6076,
144.2006, 162.9626

44.7873, 48.3625,
55.5477

168.0478,
179.7931, 202.6538

31.4904, 34.1141,
39.4389

206.6127,
220.8076, 248.3172

21.1263, 22.9812,
26.7909

250.6677,
267.6286, 300.3712

13.3293, 14.5796,
17.1852

300.5782,
320.6403, 359.2343

7.7343, 8.5249,
10.2032

356.7094,

3.9757, 4.4326,

380.2272, 425.3252

5.4266

419.4269,
446.7737, 499.0623

■ 1.6884, 1.9184,
2.4366

■ 0.4490, 0.5594,
0.8063

■ 81.6401, 87.7439,
99.8222

■ 81.6401, 87.7439,
99.8222

■ 72.8013, 81.0357,
98.9946

■ 91.4174, 94.9992,
100.7086

■ 65.0686, 74.9534,
98.2281

■ 92.9475, 98.0592,
101.2186

■ 58.3948, 69.4744,
97.5223

■ 93.6348, 99.4339,
101.4478

■ 52.7261, 64.5706,
96.8746

■ 48.0039, 60.2114,
96.2821

■ 44.1634, 56.3629,
95.7416

■ 41.1312, 52.9867,
95.2498

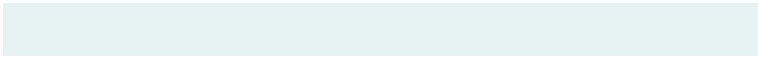
■ 38.8215, 50.0381,
94.8024

■ 37.1280, 47.4619,
94.3944

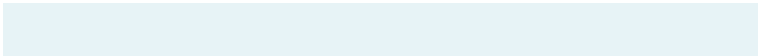
Harmonies

Analogous

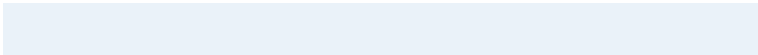
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1483, 87.7439, 96.6635



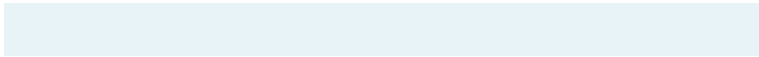
81.6401, 87.7439, 99.8222



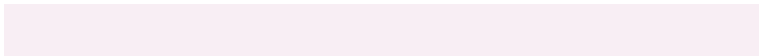
82.6043, 87.7439, 101.8639

Triad

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



81.6401, 87.7439, 99.8222



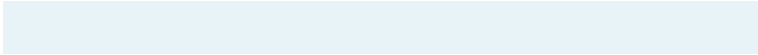
85.5784, 87.7439, 97.8365



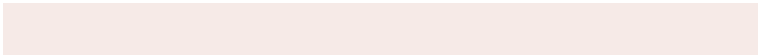
83.0072, 87.7439, 89.1829

Complementary

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



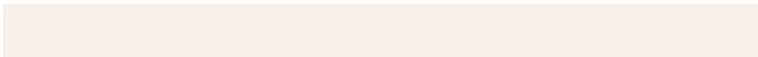
81.6401, 87.7439, 99.8222



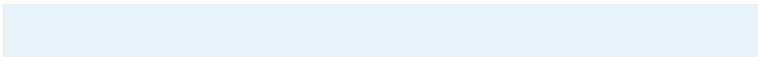
81.8529, 84.2073, 87.5421

Split Complementary

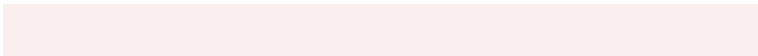
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1966, 87.7439, 89.4799



81.6401, 87.7439, 99.8222



85.6888, 87.7439, 94.4217

Square

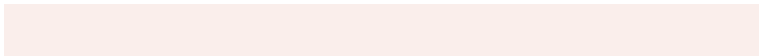
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6401, 87.7439, 99.8222



84.8807, 87.7439, 100.6985



85.1808, 87.7439, 91.3785



81.9326, 87.7439, 90.5572

Rectangle

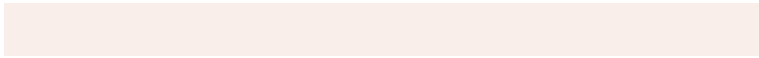
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6401, 87.7439, 99.8222



83.3892, 87.7439, 102.2887



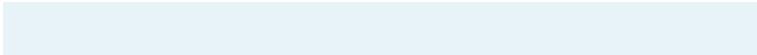
85.1808, 87.7439, 91.3785



83.4067, 87.7439, 89.0914

Sweetspot

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



81.6426, 87.7476, 99.8241



92.8744, 98.3973, 108.7053



80.7275, 88.8281, 90.5458



19.9018, 21.0779, 23.2695



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.



81.6426, 87.7476, 99.8241



87.6582, 94.5165, 108.2312



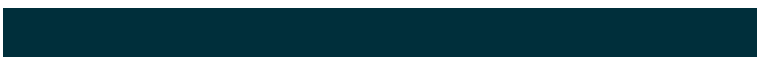
79.5144, 83.4912, 99.1147



17.0674, 18.4398, 21.2023



19.6211, 25.0359, 50.3363



1.7943, 2.3400, 4.4473

Inverse Universe

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



82.7615, 83.2173, 96.4989



89.0488, 88.9077, 104.0938



83.9606, 88.4225, 88.2446



17.3615, 17.2567, 20.3267



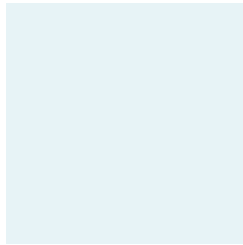
25.7083, 12.6268, 29.5020



2.2947, 1.1239, 2.7784

Previews

White Background



This preview shows how the XYZ color 81.6401, 87.7439, 99.8222 looks on a white background.

Color Contrast Check

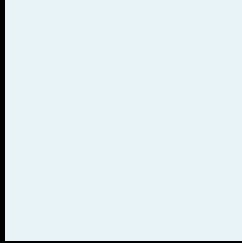
Large Text (above 18pt) WCAG AA × Fail

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 81.6401, 87.7439, 99.8222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

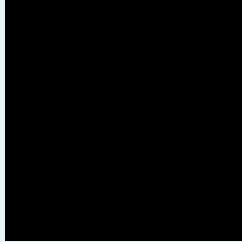
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6401, 87.7439, 99.8222

Background



This preview shows how black text looks on a background with the XYZ color 81.6401, 87.7439, 99.8222.



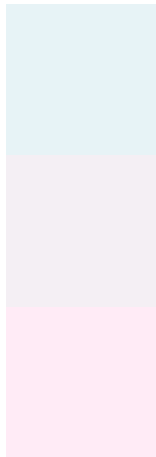
This preview shows how white text looks on a background with the XYZ color 81.6401, 87.7439,

99.8222.

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

81.6401, 87.7439, 99.8222

Protanopia

84.5039, 87.4978, 98.0229

Deuteranopia

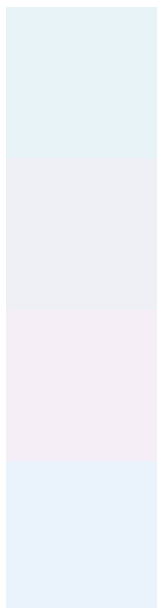
87.5829, 87.3305, 99.4291



Tritanopia

83.7662, 87.7928, 107.1385

Trichromacy



Original Color

81.6401, 87.7439, 99.8222

Protanomaly

83.2381, 87.2635, 98.8426

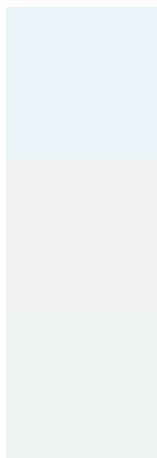
Deuteranomaly

85.2151, 87.3957, 99.5665

Tritanomaly

83.2545, 88.0250, 104.6980

Monochromacy



Original Color

81.6401, 87.7439, 99.8222

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 81.6401, 87.7439, 99.8222 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, 243, 246) looks like.

```
.text, #text, p{  
    color:rgb(231, 243, 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, 243, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 243, 246) }
```

Border

The CSS property to change the border of an element to XYZ 81.6401, 87.7439, 99.8222 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, 243, 246) }
```


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

```
.border{ border-color:rgb(231, 243, 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, 243, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 243, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 243, 246);  
box-shadow:4px 4px 4px 4px rgb(231, 243,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6401, 87.7439, 99.8222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 243, 246) }
```

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

```
.background{ background-color: rgb(231,  
243, 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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