

# Converting Colors

XYZ(85.6810, 87.5216, 97.0460)

Have a look what the booklet for  
XYZ(85.6810, 87.5216, 97.0460)  
contains.

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# Color

**XYZ(85.8191, 87.7599,  
97.2102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9EEF3
RGB	249, 238, 243
RGB Percent	98%, 93%, 95%
CMY	0.0235, 0.0666, 0.0471
CMYK	0.00, 0.04, 0.02, 0.02
HSL	333°, 48%, 95%
HSV	333°, 4%, 98%
XYZ	85.8191, 87.7599, 97.2102
YIQ	241.8590, 4.9510, 3.8870

# Conversions

## Conversions Part 2

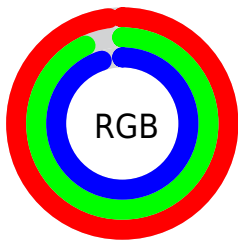
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 238, 243
Decimal	16379635
CIE Lab	95.06, 4.56, -1.10
CIE LCh	95, 4.690, 346.448
Yxy	87.7599, 0.3169, 0.3241
Android (android.graphics.Color)	4294569715 (0xFF9EEF3)
YUV	241.8590, 0.5625, 6.2627
Hunter-Lab	93.6803, -0.4192, 4.0521

# Details

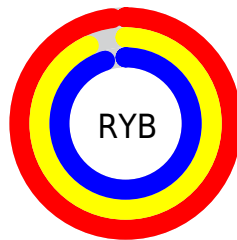
The XYZ color **85.8191, 87.7599, 97.2102** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4680, 92.4624, 98.9349**, and the grayscale version is **84.2817, 88.6709, 96.5626**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6899, 48.3812, 53.8387** is the 20% darker color. If you saturate the color by 10%, you get **77.0891, 73.4621, 84.5492**, and if you desaturate by 10%, it is **92.8774, 98.8800, 108.7983**.

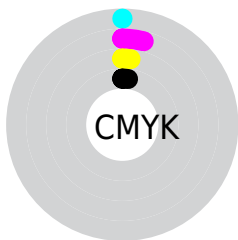
# Distribution



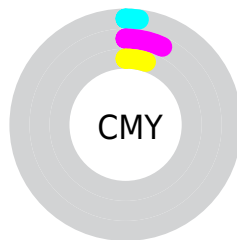
- Red (98%)
- Green (93%)
- Blue (95%)



- Red (98%)
- Yellow (93%)
- Blue (95%)



- Cyan (0%)
- Magenta (4%)
- Yellow (2%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8191, 87.7599, 97.2102 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 85.8191, 87.7599, 97.2102 by changing the saturation by 10% instead.




 85.8191, 87.7599,  
97.2102

 85.8191, 87.7599,  
97.2102


502.7775,  
520.7166, 572.3808

 64.8432, 66.1242,  
73.3689


140.4251,  
144.2228, 159.3363

 47.5981, 48.3733,  
53.7840


174.7860,  
179.8189, 198.4582

 33.7187, 34.1226,  
38.0370


214.3391,  
220.8372, 243.5107

 22.8394, 22.9878,  
25.7093

259.4500,  
267.6622, 294.9123

 14.5950, 14.5845,  
16.3825

310.4839,  
320.6783, 353.0815

 8.6201, 8.5283,  
9.6380

367.8062,

 4.5494, 4.4348,

380.2698, 418.4370

5.0571

431.7823,  
446.8211, 491.3973

■ 2.0174, 1.9196,  
2.2215

■ 0.6437, 0.5601,  
0.6867

■ 85.8191, 87.7599,  
97.2102

■ 85.8191, 87.7599,  
97.2102

■ 77.0891, 73.4621,  
84.5492

■ 92.8774, 98.8800,  
108.7983

■ 69.4670, 61.1433,  
72.9894

■ 62.9081, 50.7187,  
62.5006

■ 57.3619, 42.0926,  
53.0485

■ 52.7735, 35.1611,  
44.5970

■ 49.0824, 29.8094,  
37.1071

■ 46.2210, 25.9083,  
30.5370

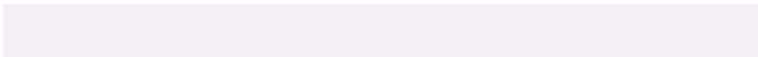
■ 44.1110, 23.3080,  
24.8401

■ 42.6571, 21.8251,  
19.9631

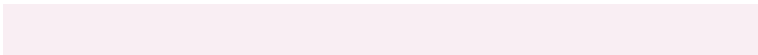
# Harmonies

## Analogous

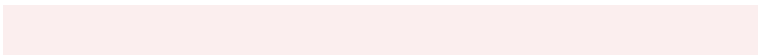
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2025, 87.7599, 100.4750



85.8191, 87.7599, 97.2102



85.7864, 87.7599, 93.5815

# Triad

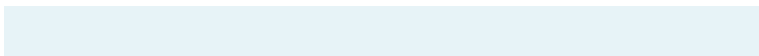
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8191, 87.7599, 97.2102



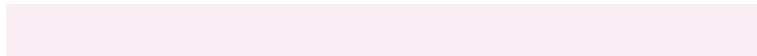
82.7210, 87.7599, 88.9791



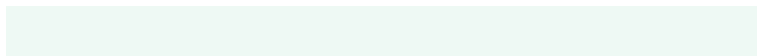
81.7355, 87.7599, 100.7347

# Complementary

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



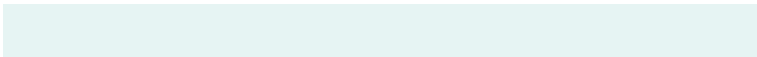
85.8191, 87.7599, 97.2102



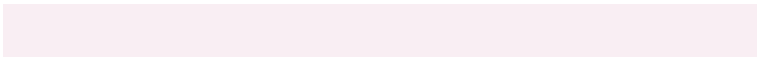
85.4680, 92.4624, 98.9349

# 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.



81.0841, 87.7599, 97.5573



85.8191, 87.7599, 97.2102



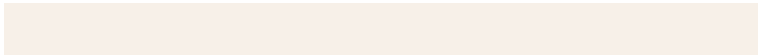
81.6491, 87.7599, 90.7994

# Square

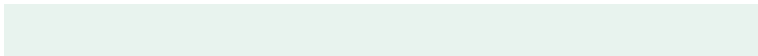
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



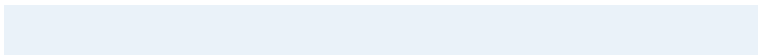
85.8191, 87.7599, 97.2102



83.9889, 87.7599, 88.8916



81.0526, 87.7599, 93.9199



82.8400, 87.7599, 102.5447

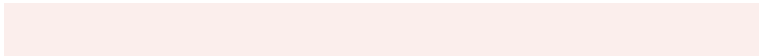


# Rectangle

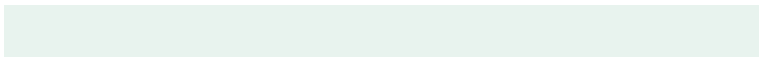
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



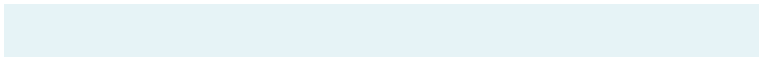
85.8191, 87.7599, 97.2102



85.4007, 87.7599, 91.4450



81.0526, 87.7599, 93.9199



81.4567, 87.7599, 99.7876

# Sweetspot

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



85.8216, 87.7637, 97.2121



94.0186, 98.2945, 107.4550



84.9386, 87.2021, 101.9786



20.1347, 21.0570, 23.0151



0.0000, 0.0000, 0.0000

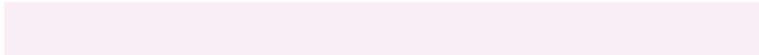


20.3446, 21.4041, 23.3091



# Same Dimension

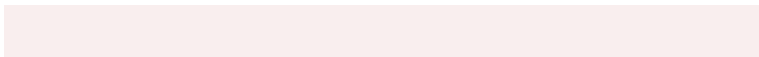
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8216, 87.7637, 97.2121



90.0165, 91.6932, 101.7959



85.1840, 87.6796, 93.3277



18.3069, 18.5616, 20.6618



22.5809, 11.4481, 9.7675



2.1441, 1.0814, 1.1822



# Inverse Universe

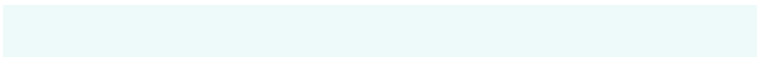
The Inverse Universe completely reimagines the original color for something new.



85.8216, 87.7637, 97.2121



90.0165, 91.6932, 101.7959



86.1239, 92.5437, 102.9472



18.3069, 18.5616, 20.6618



22.5809, 11.4481, 9.7675

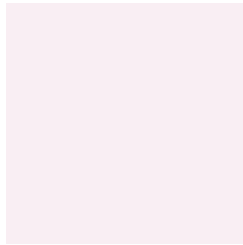


2.1441, 1.0814, 1.1822



# Previews

## White Background



This preview shows how the XYZ color 85.8191, 87.7599, 97.2102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

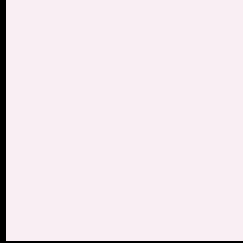
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.8191, 87.7599, 97.2102 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 85.8191, 87.7599, 97.2102

## Background



This preview shows how black text looks on a background with the XYZ color 85.8191, 87.7599, 97.2102.



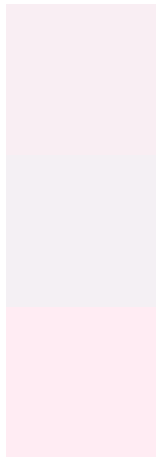
This preview shows how white text looks on a background with the XYZ color 85.8191, 87.7599,



# 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

85.8191, 87.7599, 97.2102

### Protanopia

84.7974, 88.0849, 98.1207

### Deuteranopia

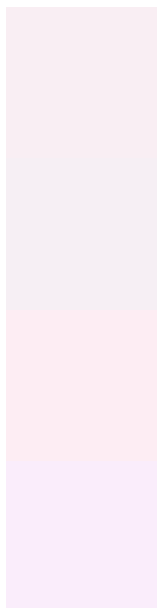
87.4131, 87.7220, 97.1189



## Tritanopia

87.8291, 87.7201, 106.9103

# Trichromacy



## Original Color

85.8191, 87.7599, 97.2102

## Protanomaly

85.2017, 87.8575, 98.0555

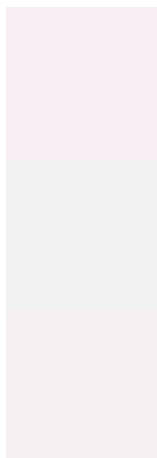
## Deuteranomaly

86.9699, 87.9221, 97.1809

## Tritanomaly

87.1211, 87.8574, 103.6332

# Monochromacy



## Original Color

85.8191, 87.7599, 97.2102

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

85.1385, 88.7339, 96.6445

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.8191, 87.7599, 97.2102 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(249, 238, 243) looks like.

```
.text, #text, p{  
    color:rgb(249, 238, 243)  
}
```

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(249, 238, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 238, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 85.8191, 87.7599, 97.2102 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(249, 238, 243) }
```



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

```
.border{ border-color:rgb(249, 238, 243) }
```

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

Here you see how a box with a 4 pixel rgb(249, 238, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 238, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 238, 243);  
box-shadow:4px 4px 4px 4px rgb(249, 238,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.8191, 87.7599, 97.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 238, 243) }
```

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

```
.background{ background-color: rgb(249,  
238, 243) }
```

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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