

# Converting Colors

XYZ(82.0324, 84.5783, 93.9005)

Have a look what the booklet for  
XYZ(82.0324, 84.5783, 93.9005)  
contains.

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# **Color**

**XYZ(81.9063, 84.5259,  
93.6596)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2EBEF
RGB	242, 235, 239
RGB Percent	95%, 92%, 94%
CMY	0.0510, 0.0784, 0.0627
CMYK	0.00, 0.03, 0.01, 0.05
HSL	326°, 21%, 94%
HSV	326°, 3%, 95%
XYZ	81.9063, 84.5259, 93.6596
YIQ	237.5490, 2.8880, 2.7280

# Conversions

## Conversions Part 2

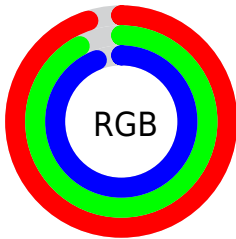
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 235, 239
Decimal	15920111
CIE Lab	93.68, 3.05, -1.11
CIE LCh	94, 3.248, 340.080
Yxy	84.5259, 0.3149, 0.3250
Android (android.graphics.Color)	4294110191 (0xFF2E2E2E)
YUV	237.5490, 0.7153, 3.9035
Hunter-Lab	91.9380, -1.8682, 3.9563

# Details

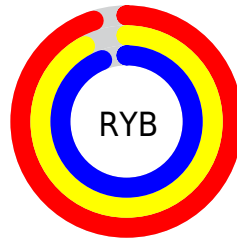
The XYZ color **81.9063, 84.5259, 93.6596** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.4489, 87.3417, 93.4591**, and the grayscale version is **80.9146, 85.1285, 92.7049**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9170, 46.0982, 51.3302** is the 20% darker color. If you saturate the color by 10%, you get **73.9549, 71.0057, 83.6616**, and if you desaturate by 10%, it is **89.5366, 97.2608, 103.9869**.

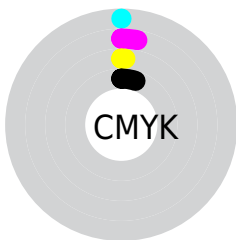
# Distribution



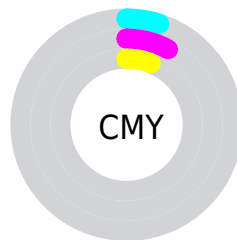
- Red (95%)
- Green (92%)
- Blue (94%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (5%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9063, 84.5259, 93.6596 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 81.9063, 84.5259, 93.6596 by changing the saturation by 10% instead.



81.9063, 84.5259,  
93.6596

81.9063, 84.5259,  
93.6596

489.9735,  
510.0580, 560.7392

61.6021, 63.4497,  
70.4292

134.9791,  
139.7106, 154.3911

44.9657, 46.2051,  
51.3975

168.4785,  
174.5879, 192.7292

31.6316, 32.4077,  
36.1461

207.1069,  
214.8344, 236.9403

21.2344, 21.6731,  
24.2565

251.2299,  
260.8344, 287.4429

13.4089, 13.6169,  
15.3100

301.2127,  
312.9724, 344.6556

7.7896, 7.8547,  
8.8882

357.4206,

4.0113, 4.0021,

371.6327, 408.9968

4.5725

420.2191,  
437.1998, 480.8852

■ 1.7085, 1.6747,  
1.9444

■ 0.4616, 0.4072,  
0.5208

■ 81.9063, 84.5259,  
93.6596

■ 81.9063, 84.5259,  
93.6596

■ 73.9549, 71.0057,  
83.6616

■ 89.5366, 97.2608,  
103.9869

■ 66.9925, 59.3259,  
74.4194

■ 90.4285, 97.6175,  
108.6837

■ 60.9795, 49.4088,  
65.9133

■ 55.8710, 41.1672,  
58.1209

■ 51.6183, 34.5060,  
51.0180

■ 48.1679, 29.3208,  
44.5787

■ 45.4597, 25.4943,  
38.7748

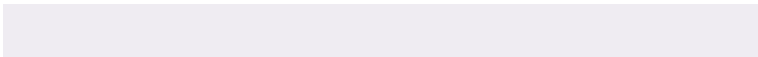
■ 43.4248, 22.8912,  
33.5746

■ 41.9798, 21.3479,  
28.9415

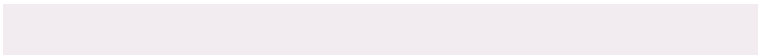
# Harmonies

## Analogous

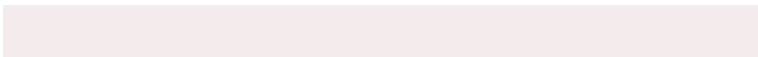
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4103, 84.5259, 95.7110



81.9063, 84.5259, 93.6596



81.9808, 84.5259, 91.2067

# Triad

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



81.9063, 84.5259, 93.6596



80.0498, 84.5259, 87.4435



79.0789, 84.5259, 95.1218

# Complementary

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



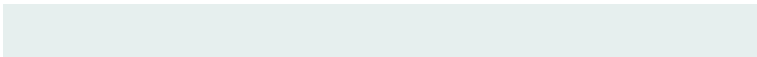
81.9063, 84.5259, 93.6596



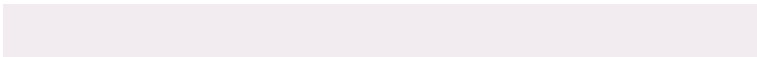
81.4489, 87.3417, 93.4591

# 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.



78.7199, 84.5259, 92.8669



81.9063, 84.5259, 93.6596



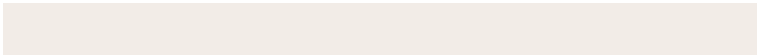
79.2778, 84.5259, 88.4531

# Square

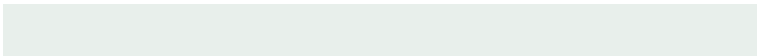
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



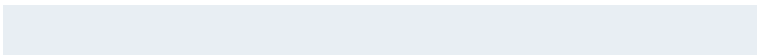
81.9063, 84.5259, 93.6596



80.9048, 84.5259, 87.6471



78.7925, 84.5259, 90.4280

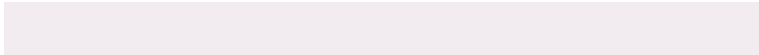


79.7765, 84.5259, 96.5655

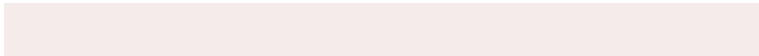


# Rectangle

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



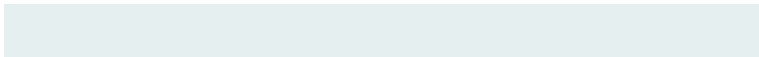
81.9063, 84.5259, 93.6596



81.7808, 84.5259, 89.6777



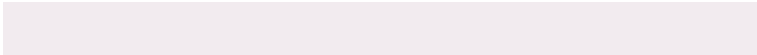
78.7925, 84.5259, 90.4280



78.9149, 84.5259, 94.4319

# Sweetspot

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



81.9087, 84.5295, 93.6614



94.0663, 98.3136, 107.7061



80.9705, 83.9942, 95.9506



20.1444, 21.0609, 23.0661



0.0000, 0.0000, 0.0000

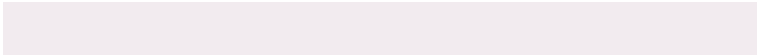


20.3446, 21.4041, 23.3091



# Same Dimension

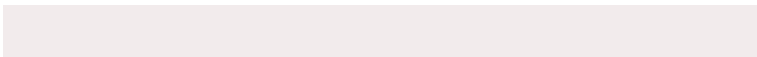
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9087, 84.5295, 93.6614



92.1342, 95.0063, 105.3447



81.4091, 84.3297, 91.0305



17.1199, 17.5597, 19.5626



22.2146, 11.1583, 14.3125



1.8978, 0.9482, 1.4526



# Inverse Universe

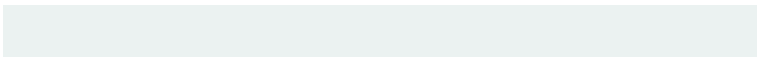
The Inverse Universe completely reimagines the original color for something new.



81.9087, 84.5295, 93.6614



92.1342, 95.0063, 105.3447



81.9553, 87.5443, 96.1256



17.1199, 17.5597, 19.5626



22.2146, 11.1583, 14.3125

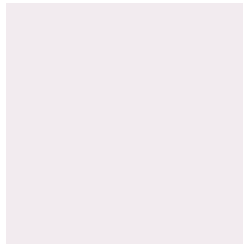


1.8978, 0.9482, 1.4526



# Previews

## White Background



This preview shows how the XYZ color 81.9063, 84.5259, 93.6596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

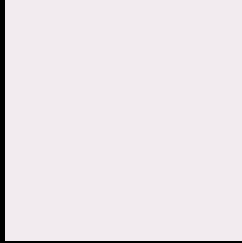
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9063, 84.5259, 93.6596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

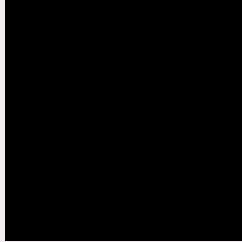
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

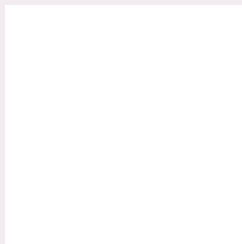
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.9063, 84.5259, 93.6596

## Background



This preview shows how black text looks on a background with the XYZ color 81.9063, 84.5259, 93.6596.



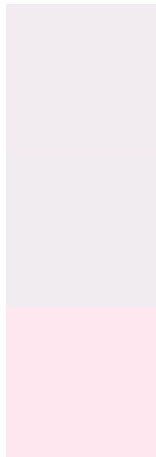
This preview shows how white text looks on a background with the XYZ color 81.9063, 84.5259,

93.6596.

# 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

81.9063, 84.5259, 93.6596

### Protanopia

81.5106, 84.7482, 93.7233

### Deuteranopia

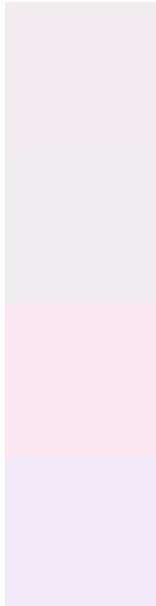
85.5441, 84.7031, 94.2787



## Tritanopia

83.8597, 84.4760, 103.1524

# Trichromacy



## Original Color

81.9063, 84.5259, 93.6596

## Protanomaly

81.8511, 84.9237, 93.7392

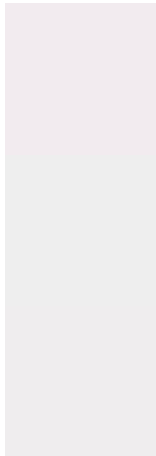
## Deuteranomaly

84.0091, 84.3285, 94.2873

## Tritanomaly

83.1735, 84.6157, 99.9444

# Monochromacy



## Original Color

81.9063, 84.5259, 93.6596

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.3134, 85.0921, 93.0277

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9063, 84.5259, 93.6596 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(242, 235, 239) looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 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(242, 235, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9063, 84.5259, 93.6596 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(242, 235, 239) }
```



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

```
.border{ border-color:rgb(242, 235, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 239);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9063, 84.5259, 93.6596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 239) }
```

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

```
.background{ background-color: rgb(242,  
235, 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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