

# Converting Colors

XYZ(81.6043, 84.0340, 95.0652)

Have a look what the booklet for  
XYZ(81.6043, 84.0340, 95.0652)  
contains.

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# Color

**XYZ(81.5756, 83.8973,  
95.1134)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F1EAF1
RGB	241, 234, 241
RGB Percent	95%, 92%, 95%
CMY	0.0549, 0.0823, 0.0549
CMYK	0.00, 0.03, 0.00, 0.05
HSL	300°, 20%, 93%
HSV	300°, 3%, 95%
XYZ	81.5756, 83.8973, 95.1134
YIQ	236.8910, 1.9250, 3.6610

# Conversions

## Conversions Part 2

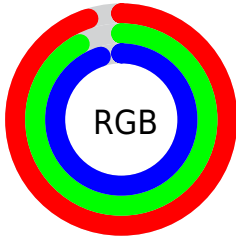
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 234, 241
Decimal	15854321
CIE Lab	93.41, 3.59, -2.56
CIE LCh	93, 4.405, 324.534
Yxy	83.8973, 0.3130, 0.3220
Android (android.graphics.Color)	4294044401 (0xFFFF1EAF1)
YUV	236.8910, 2.0257, 3.6036
Hunter-Lab	91.5955, -1.3187, 2.5497

# Details

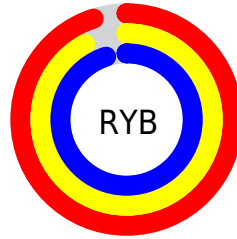
The XYZ color **81.5756, 83.8973, 95.1134** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.2415, 86.3458, 90.2835**, and the grayscale version is **80.3984, 84.5853, 92.1134**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6849, 45.6579, 52.3566** is the 20% darker color. If you saturate the color by 10%, you get **75.1766, 71.0985, 92.9815**, and if you desaturate by 10%, it is **87.9138, 96.5721, 97.2271**.

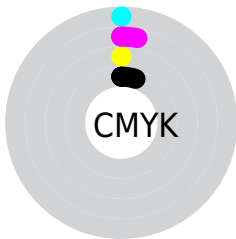
# Distribution



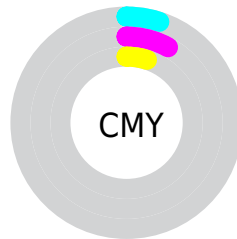
- Red (95%)
- Green (92%)
- Blue (95%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5756, 83.8973, 95.1134 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 81.5756, 83.8973, 95.1134 by changing the saturation by 10% instead.



81.5756, 83.8973,  
95.1134

81.5756, 83.8973,  
95.1134

488.8830,  
507.9721, 565.5216

61.3287, 62.9306,  
71.6320

134.5176,  
138.8315, 156.4182

44.7440, 45.7851,  
52.3731

167.9434,  
173.5678, 195.0786

31.4563, 32.0763,  
36.9182

206.4929,  
213.6629, 239.6358

21.1001, 21.4198,  
24.8489

250.5315,  
259.5010, 290.5082

13.3100, 13.4312,  
15.7465

300.4244,  
311.4666, 348.1145

7.7209, 7.7261,  
9.1926

356.5370,

3.9672, 3.9202,

369.9440, 412.8731

4.7685

419.2348,  
435.3178, 485.2026

■ 1.6836, 1.6290,  
2.0557

■ 0.4460, 0.3771,  
0.5892

■ 81.5756, 83.8973,  
95.1134

■ 81.5756, 83.8973,  
95.1134

■ 75.1766, 71.0985,  
92.9815

■ 87.9138, 96.5721,  
97.2271

■ 69.6710, 60.0876,  
91.1464

■ 87.9140, 96.5722,  
97.2271

■ 65.0213, 50.7886,  
89.5965

■ 87.9142, 96.5723,  
97.2271

■ 61.1846, 43.1154,  
88.3177

■ 87.9144, 96.5725,  
97.2271

58.1140, 36.9747,  
87.2942

87.9147, 96.5726,  
97.2271

55.7584, 32.2636,  
86.5091

87.9149, 96.5727,  
97.2271

54.0598, 28.8669,  
85.9429

87.9151, 96.5728,  
97.2271

52.9518, 26.6511,  
85.5737

87.9153, 96.5729,  
97.2272

52.3536, 25.4551,  
85.3743

87.9155, 96.5730,  
97.2272

# Harmonies

## Analogous

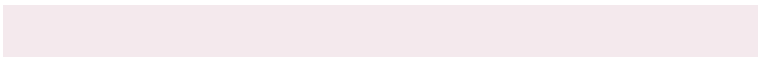
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6733, 83.8973, 97.2959



81.5756, 83.8973, 95.1134



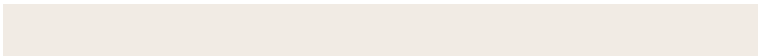
81.9869, 83.8973, 91.9608

# Triad

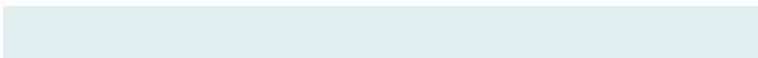
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5756, 83.8973, 95.1134



79.9549, 83.8973, 85.1267



77.7264, 83.8973, 94.0329

# Complementary

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



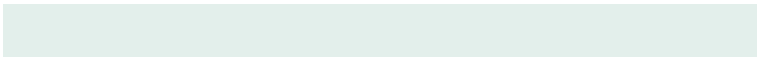
81.5756, 83.8973, 95.1134



80.2415, 86.3458, 90.2835

# 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.



77.5382, 83.8973, 90.7417



81.5756, 83.8973, 95.1134



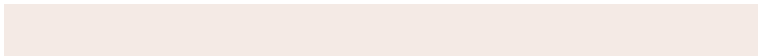
78.8177, 83.8973, 85.6512

# Square

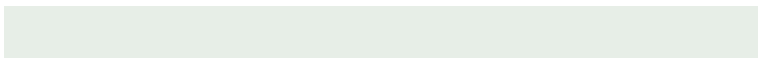
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



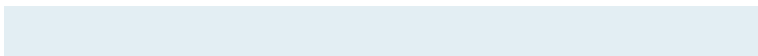
81.5756, 83.8973, 95.1134



81.0454, 83.8973, 86.2365



77.9358, 83.8973, 87.6870



78.4524, 83.8973, 96.6616

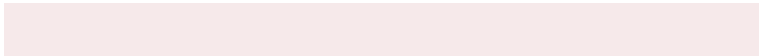


# Rectangle

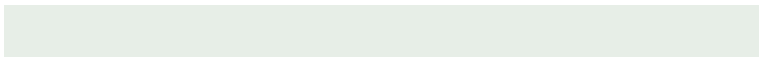
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



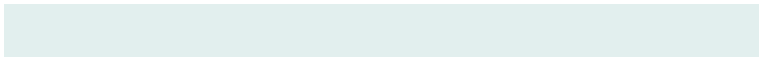
81.5756, 83.8973, 95.1134



81.9244, 83.8973, 89.7534



77.9358, 83.8973, 87.6870



77.5984, 83.8973, 92.9652

# Sweetspot

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



81.5780, 83.9009, 95.1152



94.2419, 98.3838, 108.6306



79.2687, 82.7597, 95.0167



20.1802, 21.0752, 23.2543



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

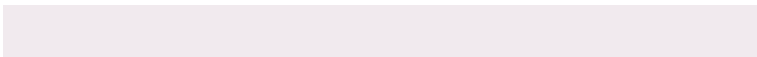
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5780, 83.9009, 95.1152



92.6578, 95.2158, 108.1026



81.0775, 83.7007, 92.4793



17.2431, 17.6090, 20.2117



28.2801, 13.5843, 46.2594



2.3527, 1.1301, 3.8483



# Inverse Universe

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



80.5528, 83.4908, 89.7161



91.4505, 94.7328, 101.7446



80.7320, 86.5420, 92.8668



16.9598, 17.4957, 18.7197



19.6715, 10.1410, 0.9208

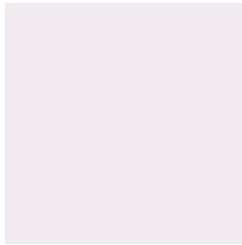


1.6365, 0.8436, 0.0766



# Previews

## White Background



This preview shows how the XYZ color 81.5756, 83.8973, 95.1134 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

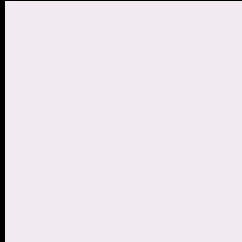
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.5756, 83.8973, 95.1134 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

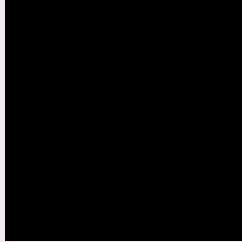
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

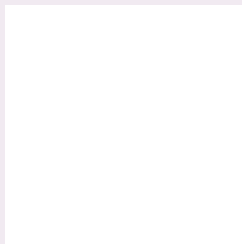
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.5756, 83.8973, 95.1134

## Background



This preview shows how black text looks on a background with the XYZ color 81.5756, 83.8973, 95.1134.



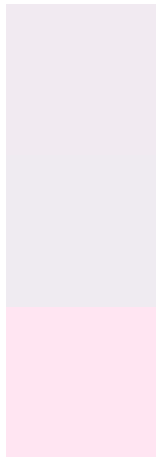
This preview shows how white text looks on a background with the XYZ color 81.5756, 83.8973,

95.1134.

# 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

81.5756, 83.8973, 95.1134

### Protanopia

81.1821, 84.1183, 95.1768

### Deuteranopia

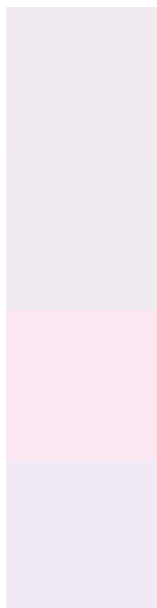
85.2863, 83.7094, 95.6669



## Tritanopia

82.8871, 83.5555, 103.0260

# Trichromacy



## Original Color

81.5756, 83.8973, 95.1134

## Protanomaly

81.5207, 84.2928, 95.1926

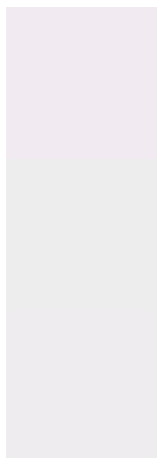
## Deuteranomaly

84.0273, 83.8866, 95.7674

## Tritanomaly

82.5454, 83.8705, 99.8337

# Monochromacy



## Original Color

81.5756, 83.8973, 95.1134

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.6880, 84.3411, 92.9157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.5756, 83.8973, 95.1134 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(241, 234, 241) looks like.

```
.text, #text, p{  
    color:rgb(241, 234, 241)  
}
```

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(241, 234, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 234, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 81.5756, 83.8973, 95.1134 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(241, 234, 241) }
```



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

```
.border{ border-color:rgb(241, 234, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 234, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 234, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 234, 241);  
box-shadow:4px 4px 4px 4px rgb(241, 234,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.5756, 83.8973, 95.1134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 234, 241) }
```

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

```
.background{ background-color: rgb(241,  
234, 241) }
```

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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