

# Converting Colors

XYZ(81.9960, 85.5173, 90.7688)

Have a look what the booklet for  
XYZ(81.9960, 85.5173, 90.7688)  
contains.

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# Color

**XYZ(81.8975, 85.4438,  
90.7731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2EDEB
RGB	242, 237, 235
RGB Percent	95%, 93%, 92%
CMY	0.0510, 0.0706, 0.0784
CMYK	0.00, 0.02, 0.03, 0.05
HSL	17°, 21%, 94%
HSV	17°, 3%, 95%
XYZ	81.8975, 85.4438, 90.7731
YIQ	238.2670, 3.6220, 0.4380

# Conversions

## Conversions Part 2

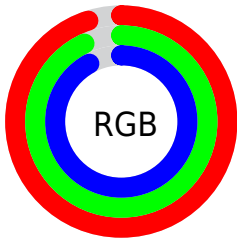
Format	Color
R <sub>Y</sub> B	242, 238, 235
Decimal	15920619
CIE Lab	94.07, 1.33, 1.55
CIE LCh	94, 2.043, 49.330
Yxy	85.4438, 0.3173, 0.3310
Android (android.graphics.Color)	4294110699 (0xFFFF2EDEB)
YUV	238.2670, -1.6106, 3.2738
Hunter-Lab	92.4358, -3.6129, 6.4816

# Details

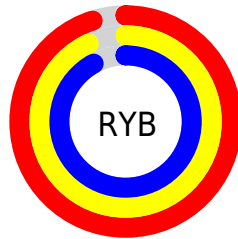
The XYZ color **81.8975, 85.4438, 90.7731** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4479, 86.3918, 96.3879**, and the grayscale version is **81.4870, 85.7307, 93.3607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9103, 46.7415, 49.3028** is the 20% darker color. If you saturate the color by 10%, you get **73.8751, 74.6181, 72.0067**, and if you desaturate by 10%, it is **90.1981, 97.1569, 108.6069**.

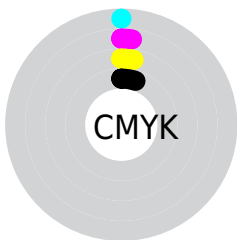
# Distribution



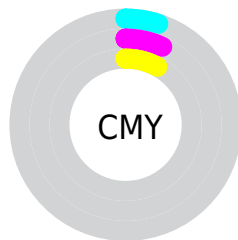
- Red (95%)
- Green (93%)
- Blue (92%)



- Red (95%)
- Yellow (93%)
- Blue (92%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8975, 85.4438, 90.7731 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 81.8975, 85.4438, 90.7731 by changing the saturation by 10% instead.



81.8975, 85.4438,  
90.7731

81.8975, 85.4438,  
90.7731

489.9445,  
513.0954, 551.1774

61.5949, 64.2081,  
68.0447

134.9668,  
140.9931, 150.3567

44.9598, 46.8193,  
49.4672

168.4642,  
176.0755, 188.0490

31.6269, 32.8928,  
34.6220

207.0906,  
216.5422, 231.5663

21.2308, 22.0443,  
23.0906

251.2113,  
262.7778, 281.3272

13.4063, 13.8895,  
14.4545

301.1917,  
315.1665, 337.7502

7.7878, 8.0438,  
8.2951

357.3971,

4.0101, 4.1230,

374.0927, 401.2539

4.1939

420.1929,  
439.9409, 472.2568

■ 1.7079, 1.7426,  
1.7323

■ 0.4612, 0.4510,  
0.3827

■ 81.8975, 85.4438,  
90.7731

■ 81.8975, 85.4438,  
90.7731

■ 73.8751, 74.6181,  
72.0067

■ 90.1981, 97.1569,  
108.6069

■ 66.7750, 64.9075,  
55.7993

■ 90.4284, 97.6175,  
108.6837

■ 60.5651, 56.2792,  
42.0406

■ 55.2087, 48.6949,  
30.6104

■ 50.6663, 42.1136,  
21.3782

■ 46.8951, 36.4917,  
14.2005

■ 43.8481, 31.7822,  
8.9163

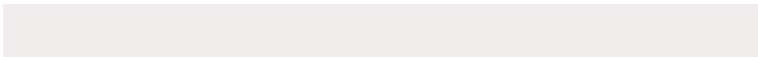
■ 41.4722, 27.9336,  
5.3406

■ 39.7060, 24.8882,  
3.2497

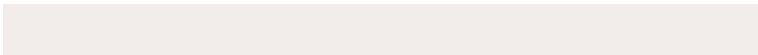
# Harmonies

## Analogous

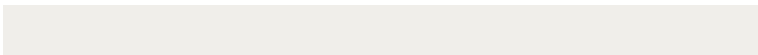
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2059, 85.4438, 92.0426



81.8975, 85.4438, 90.7731



81.4062, 85.4438, 90.1118

# Triad

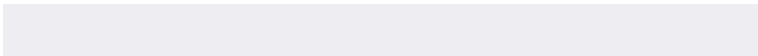
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8975, 85.4438, 90.7731



80.1850, 85.4438, 92.4785



81.5596, 85.4438, 95.8983

# Complementary

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



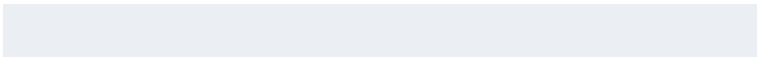
81.8975, 85.4438, 90.7731



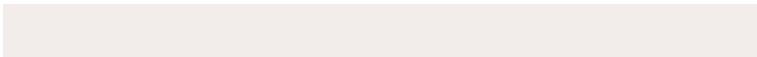
81.4479, 86.3918, 96.3879

# Split Complementary

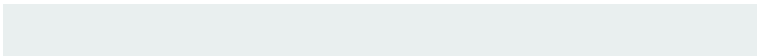
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0176, 85.4438, 96.0182



81.8975, 85.4438, 90.7731



80.2257, 85.4438, 94.0320

# Square

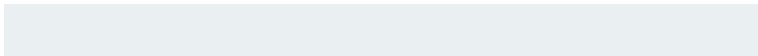
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8975, 85.4438, 90.7731



80.4185, 85.4438, 91.0891



80.5299, 85.4438, 95.3317

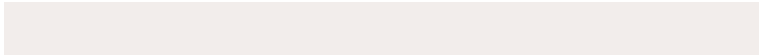


82.0102, 85.4438, 95.0059

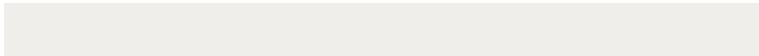


# Rectangle

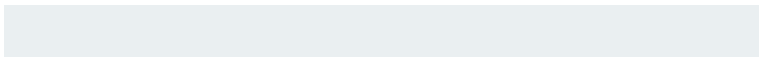
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



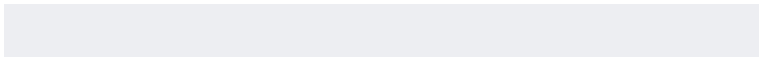
81.8975, 85.4438, 90.7731



81.0418, 85.4438, 90.0999



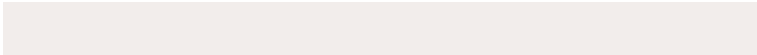
80.5299, 85.4438, 95.3317



81.3820, 85.4438, 96.0307

# Sweetspot

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



81.8999, 85.4475, 90.7750



94.0643, 98.6812, 106.5594



82.0580, 84.5874, 94.4542



20.1440, 21.1358, 22.8328



0.0000, 0.0000, 0.0000

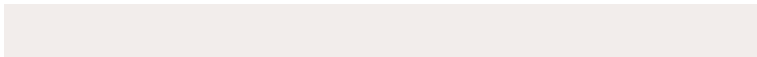


20.3446, 21.4041, 23.3091

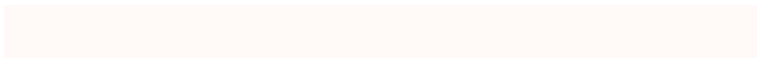


# Same Dimension

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



81.8999, 85.4475, 90.7750



92.1256, 96.0830, 101.9695



82.9170, 87.4817, 91.1140



17.1176, 17.8113, 18.7723



20.9251, 12.6482, 1.3385



1.8227, 1.2161, 0.1387



# Inverse Universe

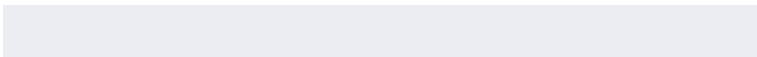
The Inverse Universe completely reimagines the original color for something new.



81.4479, 86.3918, 96.3879



91.5965, 97.1882, 108.5393



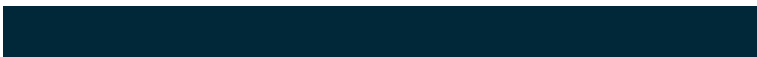
80.4336, 84.3631, 96.0498



16.9935, 18.0706, 20.3139



16.7301, 19.6845, 48.0456

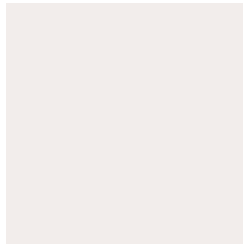


1.4763, 1.8066, 4.0251



# Previews

## White Background



This preview shows how the XYZ color 81.8975, 85.4438, 90.7731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

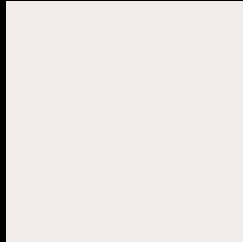
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8975, 85.4438, 90.7731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

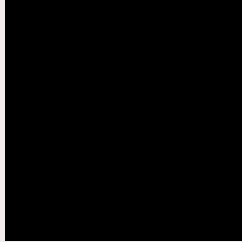
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

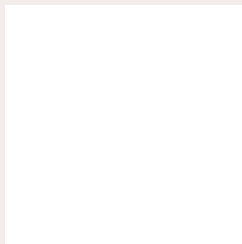
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.8975, 85.4438, 90.7731

## Background



This preview shows how black text looks on a background with the XYZ color 81.8975, 85.4438, 90.7731.



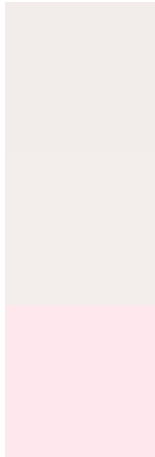
This preview shows how white text looks on a background with the XYZ color 81.8975, 85.4438,

90.7731.

# 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

81.8975, 85.4438, 90.7731

### Protanopia

82.2417, 85.6212, 90.7892

### Deuteranopia

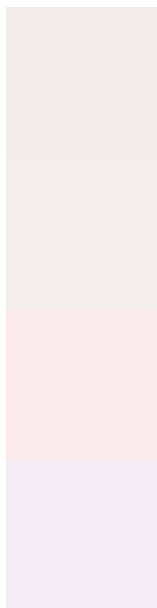
85.3827, 85.0877, 92.0442



## Tritanopia

84.8086, 85.3500, 104.9328

# Trichromacy



## Original Color

81.8975, 85.4438, 90.7731

## Protanomaly

82.2417, 85.6212, 90.7892

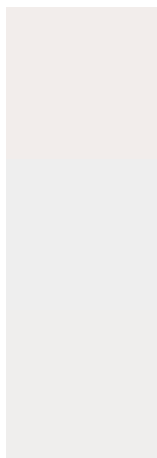
## Deuteranomaly

83.9875, 85.2258, 91.3805

## Tritanomaly

83.6511, 85.3036, 99.2451

# Monochromacy



## Original Color

81.8975, 85.4438, 90.7731

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.4572, 85.6142, 92.3527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8975, 85.4438, 90.7731 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, 237, 235) looks like.

```
.text, #text, p{  
    color:rgb(242, 237, 235)  
}
```

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, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 237, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8975, 85.4438, 90.7731 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, 237, 235) }
```



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

```
.border{ border-color:rgb(242, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 237, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 237, 235);  
box-shadow:4px 4px 4px 4px rgb(242, 237,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8975, 85.4438, 90.7731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 237, 235) }
```

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

```
.background{ background-color: rgb(242,  
237, 235) }
```

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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