

# Converting Colors

XYZ(82.8396, 86.7949, 97.6340)

Have a look what the booklet for  
XYZ(82.8396, 86.7949, 97.6340)  
contains.

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# **Color**

**XYZ(82.7922, 86.6154,  
97.9428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEFF4
RGB	239, 239, 244
RGB Percent	94%, 94%, 96%
CMY	0.0627, 0.0627, 0.0431
CMYK	0.02, 0.02, 0.00, 0.04
HSL	240°, 19%, 95%
HSV	240°, 2%, 96%
XYZ	82.7922, 86.6154, 97.9428
YIQ	239.5700, -1.6050, 1.5550

# Conversions

## Conversions Part 2

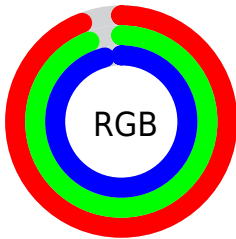
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 239, 244
Decimal	15724532
CIE Lab	94.57, 0.90, -2.42
CIE LCh	95, 2.579, 290.404
Yxy	86.6154, 0.3097, 0.3240
Android (android.graphics.Color)	4293914612 (0xFFEF4)
YUV	239.5700, 2.1840, -0.4999
Hunter-Lab	93.0674, -4.0754, 2.7512

# Details

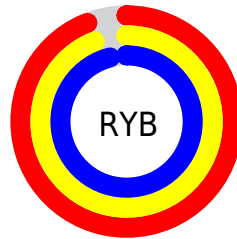
The XYZ color **82.7922, 86.6154, 97.9428** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.2389, 90.1653, 94.5736**, and the grayscale version is **82.4749, 86.7700, 94.4925**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5390, 47.5651, 54.3578** is the 20% darker color. If you saturate the color by 10%, you get **68.4422, 69.3294, 95.3639**, and if you desaturate by 10%, it is **93.3294, 99.3118, 99.8394**.

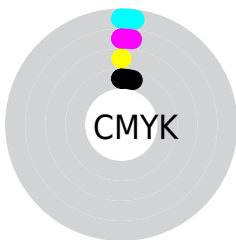
# Distribution



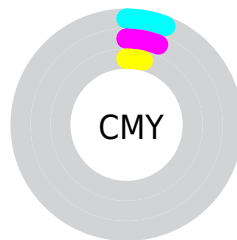
- Red (94%)
- Green (94%)
- Blue (96%)



- Red (94%)
- Yellow (94%)
- Blue (96%)



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



- Cyan (6%)
- Magenta (6%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7922, 86.6154, 97.9428 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 82.7922, 86.6154, 97.9428 by changing the saturation by 10% instead.



82.7922, 86.6154,  
97.9428

82.7922, 86.6154,  
97.9428

492.8881,  
516.9582, 574.7670

62.3351, 65.1770,  
73.9763

136.2144,  
142.6280, 160.3544

45.5601, 47.6046,  
54.2780

169.9102,  
177.9709, 199.6365

32.1020, 33.5139,  
38.4293

208.7496,  
218.7174, 244.8610

21.5953, 22.5204,  
26.0116

253.0980,  
265.2520, 296.4464

13.6748, 14.2398,  
16.6065

303.3207,  
317.9589, 354.8111

7.9750, 8.2876,  
9.7953

359.7830,

4.1306, 4.2795,

377.2227, 420.3737

5.1596

422.8504,  
443.4277, 493.5529

■ 1.7763, 1.8311,  
2.2809

■ 0.5033, 0.5065,  
0.7205

■ 82.7922, 86.6154,  
97.9428

■ 82.7922, 86.6154,  
97.9428

■ 68.4422, 69.3294,  
95.3639

■ 93.3294, 99.3118,  
99.8394

■ 56.0819, 54.4389,  
93.1412

■ 45.6258, 41.8417,  
91.2608

■ 36.9793, 31.4238,  
89.7057

■ 30.0396, 23.0618,  
88.4574

■ 24.6939, 16.6195,  
87.4957

■ 20.8157, 11.9447,  
86.7977

■ 18.2591, 8.8620,  
86.3375

■ 16.8488, 7.1603,  
86.0833

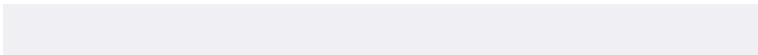
# Harmonies

## Analogous

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



82.1027, 86.6154, 98.1343



82.7922, 86.6154, 97.9428



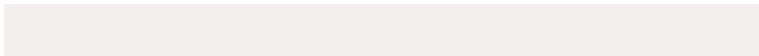
83.3595, 86.6154, 96.7703

# Triad

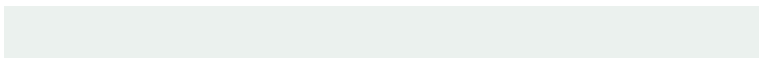
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7922, 86.6154, 97.9428



83.1802, 86.6154, 91.3905



81.0145, 86.6154, 93.6728

# Complementary

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



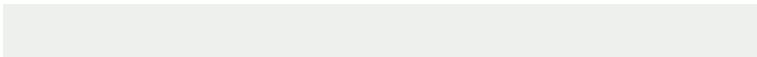
82.7922, 86.6154, 97.9428



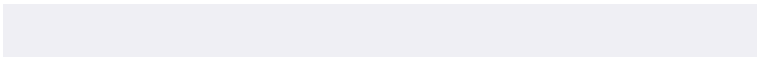
85.2389, 90.1653, 94.5736

# Split Complementary

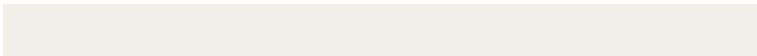
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2997, 86.6154, 91.8907



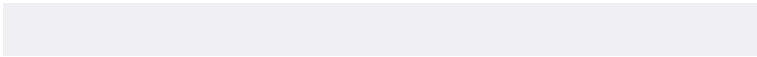
82.7922, 86.6154, 97.9428



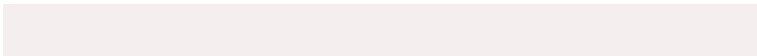
82.5483, 86.6154, 90.5853

# Square

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



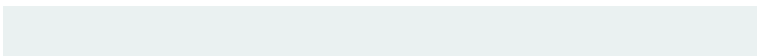
82.7922, 86.6154, 97.9428



83.5844, 86.6154, 92.9812



81.8602, 86.6154, 90.7671

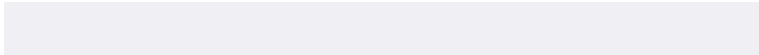


81.0790, 86.6154, 95.6503

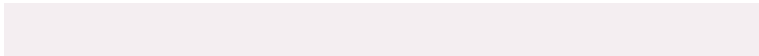


# Rectangle

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



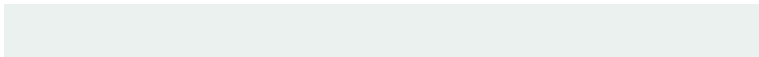
82.7922, 86.6154, 97.9428



83.5909, 86.6154, 95.5991



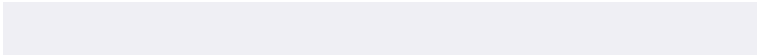
81.8602, 86.6154, 90.7671



81.0726, 86.6154, 93.0315

# Sweetspot

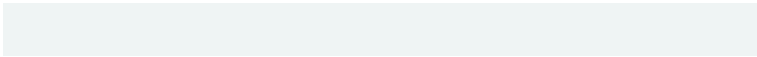
The Sweet Spot groups the original color and five complimentary colors.



82.7947, 86.6191, 97.9447



93.3106, 97.9047, 108.5872



84.2650, 89.5800, 98.3724



19.9906, 20.9777, 23.2454



0.0000, 0.0000, 0.0000

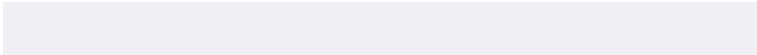


20.3446, 21.4041, 23.3091



# Same Dimension

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



82.7947, 86.6191, 97.9447



91.5944, 95.8373, 108.2787



83.6149, 87.0401, 97.9827



17.9877, 18.8266, 21.2284



8.8806, 3.5550, 46.7562



0.7809, 0.3132, 4.1095



# Inverse Universe

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



83.7566, 87.1996, 94.0826



92.6349, 96.4652, 104.1011



84.4070, 89.7383, 94.5350



18.1809, 18.9432, 20.4529



20.2870, 10.4582, 0.9540

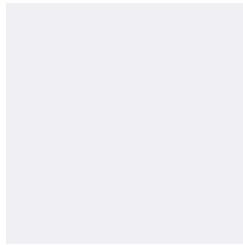


1.7832, 0.9193, 0.0849



# Previews

## White Background



This preview shows how the XYZ color 82.7922, 86.6154, 97.9428 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

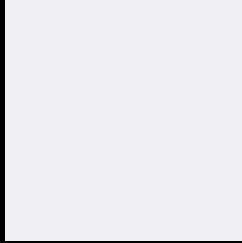
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7922, 86.6154, 97.9428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

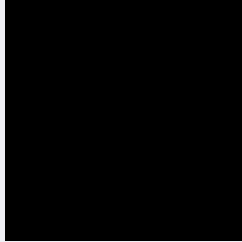
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

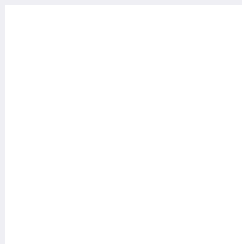
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.7922, 86.6154, 97.9428**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.7922, 86.6154, 97.9428.



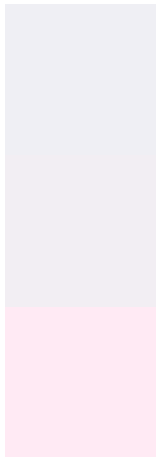
This preview shows how white text looks on a background with the XYZ color 82.7922, 86.6154,

97.9428.

# 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

82.7922, 86.6154, 97.9428

### Protanopia

83.3701, 86.4974, 97.0956

### Deuteranopia

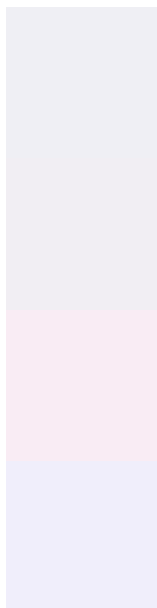
86.9920, 86.6373, 97.7257



## Tritanopia

84.6098, 86.4891, 106.8424

# Trichromacy



## Original Color

82.7922, 86.6154, 97.9428

## Protanomaly

83.0278, 86.3209, 97.0796

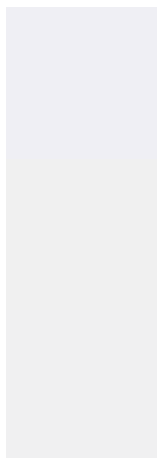
## Deuteranomaly

85.3915, 86.6623, 97.8148

## Tritanomaly

83.9223, 86.6394, 103.5667

# Monochromacy



## Original Color

82.7922, 86.6154, 97.9428

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.9725, 87.1963, 95.6765

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7922, 86.6154, 97.9428 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(239, 239, 244) looks like.

```
.text, #text, p{  
    color:rgb(239, 239, 244)  
}
```

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(239, 239, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 239, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7922, 86.6154, 97.9428 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(239, 239, 244) }
```



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

```
.border{ border-color:rgb(239, 239, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 239, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 239, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 239, 244);  
box-shadow:4px 4px 4px 4px rgb(239, 239,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7922, 86.6154, 97.9428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 239, 244) }
```

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

```
.background{ background-color: rgb(239,  
239, 244) }
```

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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