

# Converting Colors

XYZ(82.1421, 86.7004, 92.7586)

Have a look what the booklet for  
XYZ(82.1421, 86.7004, 92.7586)  
contains.

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# **Color**

**XYZ(82.0428, 86.7853,  
92.5479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFF0ED
RGB	239, 240, 237
RGB Percent	94%, 94%, 93%
CMY	0.0627, 0.0588, 0.0706
CMYK	0.00, 0.00, 0.01, 0.06
HSL	80°, 9%, 94%
HSV	80°, 1%, 94%
XYZ	82.0428, 86.7853, 92.5479
YIQ	239.3590, 0.3670, -1.1450

# Conversions

## Conversions Part 2

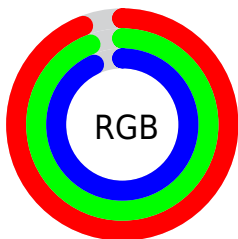
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 240, 238
Decimal	15724781
CIE Lab	94.65, -0.86, 1.32
CIE LCh	95, 1.573, 123.022
Yxy	86.7853, 0.3139, 0.3320
Android (android.graphics.Color)	4293914861 (0xFFEFF0ED)
YUV	239.3590, -1.1630, -0.3148
Hunter-Lab	93.1586, -5.8265, 6.3097

# Details

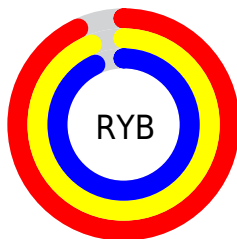
The XYZ color **82.0428, 86.7853, 92.5479** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.2755, 85.0391, 94.5730**, and the grayscale version is **82.3345, 86.6223, 94.3316**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0094, 47.6845, 50.5478** is the 20% darker color. If you saturate the color by 10%, you get **76.1210, 84.1134, 75.1751**, and if you desaturate by 10%, it is **87.5774, 89.3217, 107.2327**.

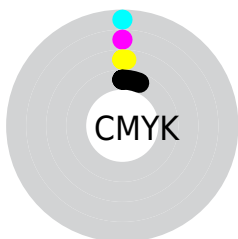
# Distribution



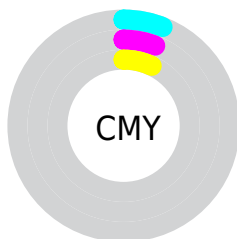
- Red (94%)
- Green (94%)
- Blue (93%)



- Red (93%)
- Yellow (94%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (6%)
- Magenta (6%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0428, 86.7853, 92.5479 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 82.0428, 86.7853, 92.5479 by changing the saturation by 10% instead.



82.0428, 86.7853,  
92.5479

82.0428, 86.7853,  
92.5479

490.4232,  
517.5171, 557.0672

61.7150, 65.3175,  
69.5102

135.1695,  
142.8648, 152.8388

45.0572, 47.7186,  
50.6530

168.6992,  
178.2454, 190.9291

31.7040, 33.6041,  
35.5577

207.3603,  
219.0324, 234.8741

21.2899, 22.5896,  
23.8058

251.5180,  
265.6102, 285.0922

13.4498, 14.2908,  
14.9788

301.5378,  
318.3631, 342.0021

7.8181, 8.3232,  
8.6580

357.7850,

4.0296, 4.3024,

377.6757, 406.0221

4.4251

420.6250,  
443.9322, 477.5710

■ 1.7189, 1.8441,  
1.8613

■ 0.4681, 0.5145,  
0.4679

■ 82.0428, 86.7853,  
92.5479

■ 82.0428, 86.7853,  
92.5479

■ 76.1210, 84.1134,  
75.1751

■ 87.5774, 89.3217,  
107.2327

■ 70.7663, 81.6793,  
60.1804

■ 90.4517, 90.8035,  
107.3672

■ 65.9599, 79.4780,  
47.4617

■ 61.6789, 77.5003,  
36.9073

■ 57.8987, 75.7360,  
28.3962

■ 54.5925, 74.1743,  
21.7953

■ 51.7302, 72.8029,  
16.9558

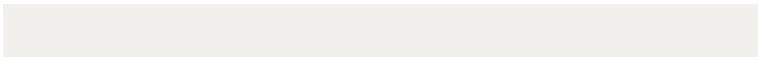
■ 49.2778, 71.6079,  
13.7068

■ 47.1944, 70.5730,  
11.8439

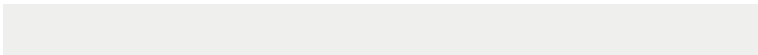
# Harmonies

## Analogous

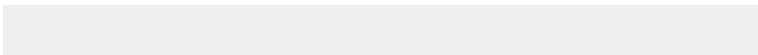
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4438, 86.7853, 92.1792



82.0428, 86.7853, 92.5479



81.7615, 86.7853, 93.4379

# Triad

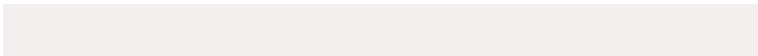
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0428, 86.7853, 92.5479



82.1171, 86.7853, 96.5931



83.3046, 86.7853, 94.3713

# Complementary

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



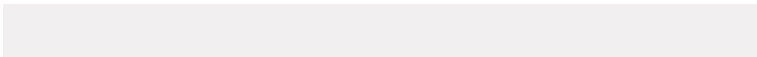
82.0428, 86.7853, 92.5479



81.2755, 85.0391, 94.5730

# Split Complementary

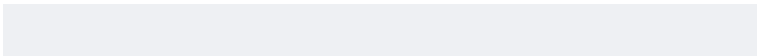
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2164, 86.7853, 95.5589



82.0428, 86.7853, 92.5479



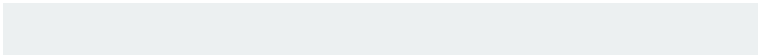
82.5299, 86.7853, 96.8481

# Square

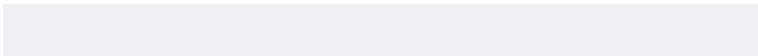
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



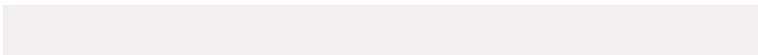
82.0428, 86.7853, 92.5479



81.8043, 86.7853, 95.7741



82.9324, 86.7853, 96.4681



83.1731, 86.7853, 93.2262



# Rectangle

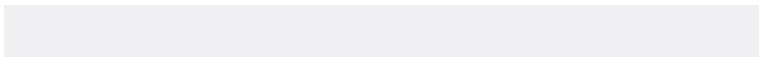
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



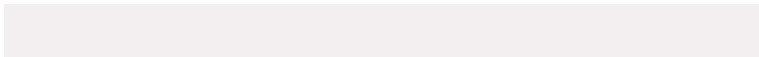
82.0428, 86.7853, 92.5479



81.6793, 86.7853, 94.2107



82.9324, 86.7853, 96.4681



83.2997, 86.7853, 94.7787

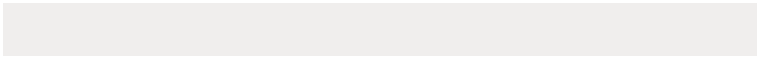
# Sweetspot

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



82.0452, 86.7890, 92.5498

95.0500, 100.0000, 108.9000



81.7988, 85.7916, 92.3703



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

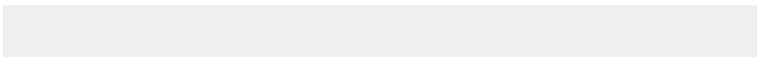
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0452, 86.7890, 92.5498



93.6154, 99.3540, 104.6035



81.5411, 86.5291, 92.5262



17.5505, 18.6173, 19.6381



25.1180, 38.2704, 6.0631



2.1947, 3.2379, 0.5093



# Inverse Universe

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



81.2755, 85.0391, 94.5730



92.2063, 96.1507, 108.3069



81.7810, 85.2997, 94.5966



17.3010, 18.0502, 20.2938



10.5564, 4.4474, 45.4299

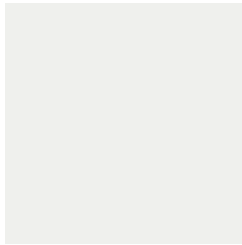


0.9799, 0.4224, 3.7841



# Previews

## White Background



This preview shows how the XYZ color 82.0428, 86.7853, 92.5479 looks on a white background.

## Color Contrast Check

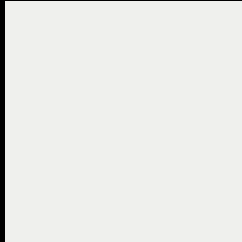
Large Text (above 18pt) WCAG AA × Fail

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 82.0428, 86.7853, 92.5479 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

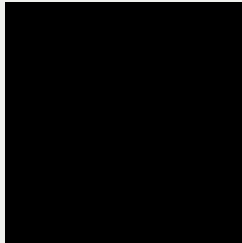
Any Text WCAG AAA ✓ Pass

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

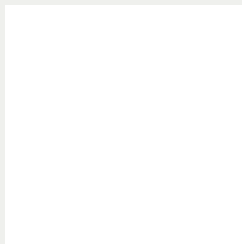


**XYZ 82.0428, 86.7853, 92.5479**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.0428, 86.7853, 92.5479.



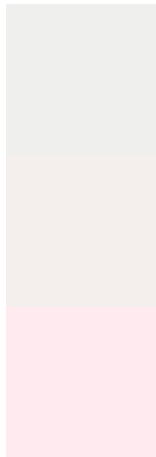
This preview shows how white text looks on a background with the XYZ color 82.0428, 86.7853,

92.5479.

# 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

82.0428, 86.7853, 92.5479

### Protanopia

83.0231, 86.4383, 91.6654

### Deuteranopia

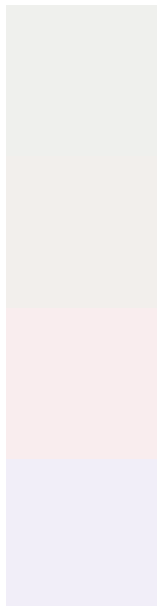
86.5283, 86.9087, 93.8759



## Tritanopia

84.9521, 86.6656, 106.8584

# Trichromacy



## Original Color

82.0428, 86.7853, 92.5479

## Protanomaly

82.6248, 86.6664, 91.7304

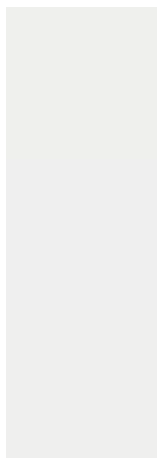
## Deuteranomaly

84.7837, 86.8812, 93.1901

## Tritanomaly

83.7934, 86.6272, 101.1113

# Monochromacy



## Original Color

82.0428, 86.7853, 92.5479

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.8957, 86.2568, 93.2218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.0428, 86.7853, 92.5479 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, 240, 237) looks like.

```
.text, #text, p{  
    color:rgb(239, 240, 237)  
}
```

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, 240, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 240, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 82.0428, 86.7853, 92.5479 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, 240, 237) }
```

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

```
.border{ border-color:rgb(239, 240, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 240, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 240, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 240, 237);  
box-shadow:4px 4px 4px 4px rgb(239, 240,  
237) }
```



# Background

The CSS property to change the background color of an element to XYZ 82.0428, 86.7853, 92.5479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 240, 237) }
```

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

```
.background{ background-color: rgb(239,  
240, 237) }
```

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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