

# Converting Colors

XYZ(82.4834, 87.2261, 94.9772)

Have a look what the booklet for  
XYZ(82.4834, 87.2261, 94.9772)  
contains.

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# Color

**XYZ(82.4434, 87.3790,  
94.9587)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EEF1F0
RGB	238, 241, 240
RGB Percent	93%, 95%, 94%
CMY	0.0667, 0.0549, 0.0588
CMYK	0.01, 0.00, 0.00, 0.05
HSL	160°, 10%, 94%
HSV	160°, 1%, 95%
XYZ	82.4434, 87.3790, 94.9587
YIQ	239.9890, -1.4670, -0.9470

# Conversions

## Conversions Part 2

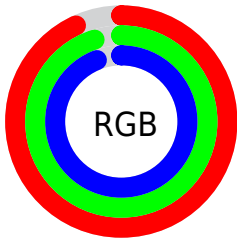
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 240, 241
Decimal	15659504
CIE Lab	94.90, -1.17, 0.12
CIE LCh	95, 1.175, 174.035
Yxy	87.3790, 0.3114, 0.3300
Android (android.graphics.Color)	4293849584 (0xFFEEF1F0)
YUV	239.9890, 0.0054, -1.7444
Hunter-Lab	93.4767, -6.1532, 5.2037

# Details

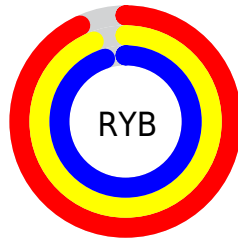
The XYZ color **82.4434, 87.3790, 94.9587** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.4334, 86.0842, 93.9369**, and the grayscale version is **82.8188, 87.1318, 94.8865**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2921, 48.1037, 52.2452** is the 20% darker color. If you saturate the color by 10%, you get **73.7177, 83.0184, 88.4434**, and if you desaturate by 10%, it is **89.6490, 90.9547, 101.6837**.

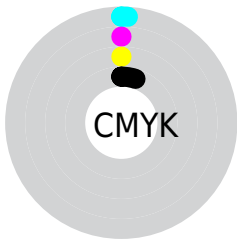
# Distribution



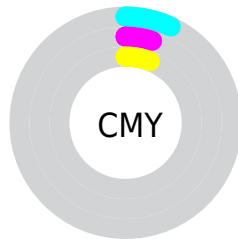
- Red (93%)
- Green (95%)
- Blue (94%)



- Red (93%)
- Yellow (94%)
- Blue (95%)



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



- Cyan (7%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4434, 87.3790, 94.9587 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 82.4434, 87.3790, 94.9587 by changing the saturation by 10% instead.



82.4434, 87.3790,  
94.9587

82.4434, 87.3790,  
94.9587

491.7417,  
519.4674, 565.0137

62.0464, 65.8089,  
71.5039

135.7282,  
143.6923, 156.2026

45.3260, 48.1173,  
52.2692

169.3468,  
179.2043, 194.8289

31.9166, 33.9198,  
36.8359

208.1032,  
220.1323, 239.3493

21.4531, 22.8320,  
24.7857

252.3630,  
266.8608, 290.1825

13.5699, 14.4695,  
15.6999

302.4913,  
319.7742, 347.7470

7.9018, 8.4479,  
9.1600

358.8537,

4.0835, 4.3829,

379.2568, 412.4613

4.7475

421.8153,  
445.6931, 484.7441

■ 1.7495, 1.8900,  
2.0437

■ 0.4869, 0.5423,  
0.5820

■ 82.4434, 87.3790,  
94.9587

■ 82.4434, 87.3790,  
94.9587

■ 73.7177, 83.0184,  
88.4434

■ 89.6490, 90.9547,  
101.6837

■ 66.0824, 79.2114,  
82.2512

■ 90.7470, 91.3939,  
107.4657

■ 59.4938, 75.9380,  
76.3780

■ 53.9023, 73.1728,  
70.8179

■ 49.2540, 70.8880,  
65.5646

■ 45.4900, 69.0533,  
60.6114

■ 42.5443, 67.6348,  
55.9514

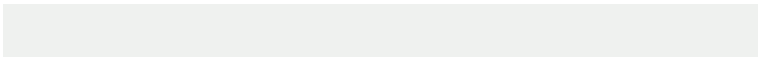
■ 40.3414, 66.5937,  
51.5770

■ 38.7907, 65.8834,  
47.4797

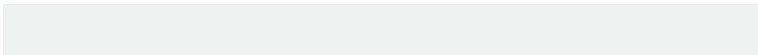
# Harmonies

## Analogous

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



82.5563, 87.3790, 94.1144



82.4434, 87.3790, 94.9587



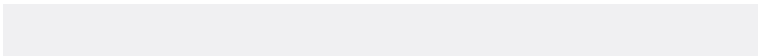
82.4930, 87.3790, 95.8572

# Triad

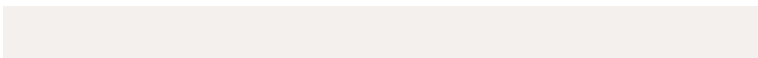
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4434, 87.3790, 94.9587



83.3008, 87.3790, 96.7520



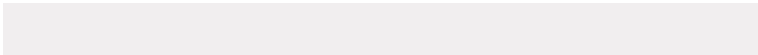
83.4114, 87.3790, 93.7281

# Complementary

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



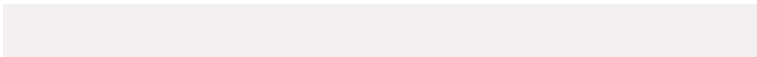
82.4434, 87.3790, 94.9587



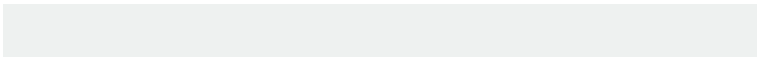
82.4334, 86.0842, 93.9369

# Split Complementary

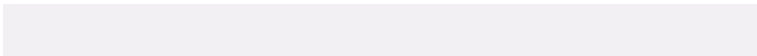
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6118, 87.3790, 94.4282



82.4434, 87.3790, 94.9587



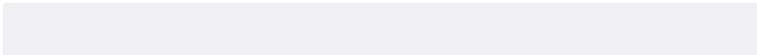
83.5479, 87.3790, 96.1748

# Square

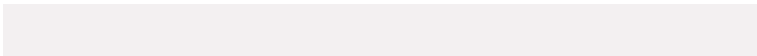
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



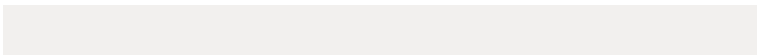
82.4434, 87.3790, 94.9587



82.9875, 87.3790, 96.8963



83.6618, 87.3790, 95.3233



83.1148, 87.3790, 93.4068

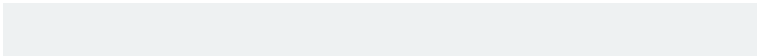


# Rectangle

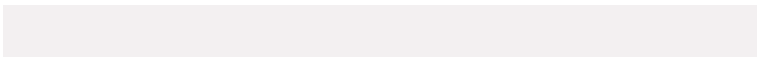
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



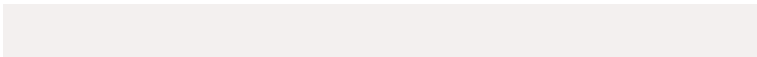
82.4434, 87.3790, 94.9587



82.6115, 87.3790, 96.3655



83.6618, 87.3790, 95.3233



83.4922, 87.3790, 93.9267

# Sweetspot

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



82.4459, 87.3827, 94.9606

95.0500, 100.0000, 108.9000



82.5044, 87.4470, 93.4208



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.



82.4459, 87.3827, 94.9606



93.9811, 99.4648, 108.1353



82.4622, 87.1761, 95.7040



17.6153, 18.6369, 20.2635



20.5853, 35.5261, 24.2627

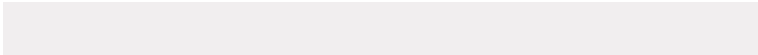


1.7585, 2.9738, 2.2606



# Inverse Universe

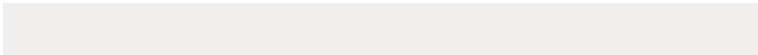
The Inverse Universe completely reimagines the original color for something new.



82.4334, 86.0842, 93.9369



93.9697, 98.2749, 107.1974



82.4168, 86.2877, 93.2016



17.6133, 18.4264, 20.0975



20.5235, 10.4818, 5.4074

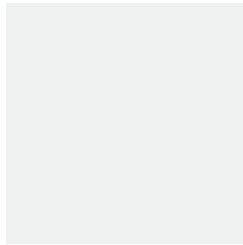


1.7519, 0.8898, 0.6843



# Previews

## White Background



This preview shows how the XYZ color 82.4434, 87.3790, 94.9587 looks on a white background.

## Color Contrast Check

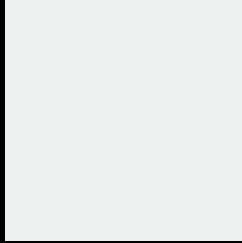
Large Text (above 18pt) WCAG AA × Fail

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 82.4434, 87.3790, 94.9587 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

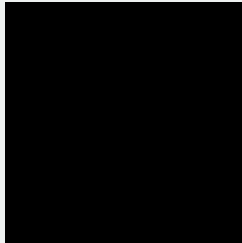
Any Text WCAG AAA ✓ Pass

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

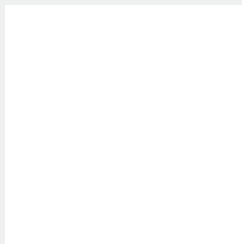


**XYZ 82.4434, 87.3790, 94.9587**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.4434, 87.3790, 94.9587.



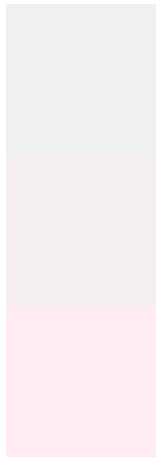
This preview shows how white text looks on a background with the XYZ color 82.4434, 87.3790,

94.9587.

# 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

82.4434, 87.3790, 94.9587

### Protanopia

84.1027, 87.3775, 94.0942

### Deuteranopia

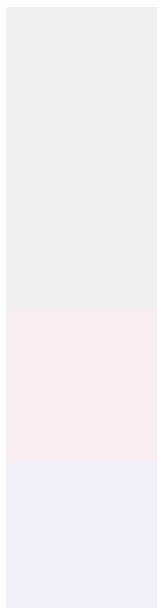
86.8255, 87.0275, 95.4409



## Tritanopia

85.1921, 87.6538, 107.0365

# Trichromacy



## Original Color

82.4434, 87.3790, 94.9587

## Protanomaly

83.3580, 87.4294, 94.1435

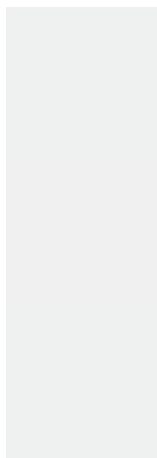
## Deuteranomaly

85.2283, 87.0590, 95.5311

## Tritanomaly

84.3506, 87.7476, 102.9337

# Monochromacy



## Original Color

82.4434, 87.3790, 94.9587

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.4849, 86.9622, 94.8760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.4434, 87.3790, 94.9587 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(238, 241, 240) looks like.

```
.text, #text, p{  
    color:rgb(238, 241, 240)  
}
```

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(238, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 241, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 82.4434, 87.3790, 94.9587 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(238, 241, 240) }
```

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

```
.border{ border-color:rgb(238, 241, 240) }
```

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

Here you see how a box with a 4 pixel rgb(238, 241, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(238, 241,  
240) }
```



# Background

The CSS property to change the background color of an element to XYZ 82.4434, 87.3790, 94.9587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 241, 240) }
```

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

```
.background{ background-color: rgb(238,  
241, 240) }
```

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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