

# Converting Colors

XYZ(74.3310, 77.8081, 86.7581)

Have a look what the booklet for  
XYZ(74.3310, 77.8081, 86.7581)  
contains.

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# Color

**XYZ(74.4803, 77.9143,  
86.7147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E4E7
RGB	229, 228, 231
RGB Percent	90%, 89%, 91%
CMY	0.1020, 0.1059, 0.0941
CMYK	0.01, 0.01, 0.00, 0.09
HSL	260°, 6%, 90%
HSV	260°, 1%, 91%
XYZ	74.4803, 77.9143, 86.7147
YIQ	228.6410, -0.3670, 1.1450

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 228, 231
Decimal	15066343
CIE <sub>Lab</sub>	90.74, 0.88, -1.35
CIE <sub>LCh</sub>	91, 1.610, 303.078
Yxy	77.9143, 0.3115, 0.3259
Android (android.graphics.Color)	4293256423 (0xFFE5E4E7)
YUV	228.6410, 1.1630, 0.3148
Hunter-Lab	88.2691, -3.8549, 3.5424

# Details

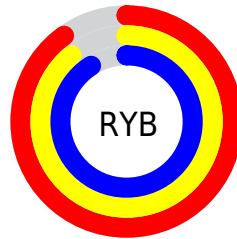
The XYZ color **74.4803, 77.9143, 86.7147** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.2155, 79.5783, 84.7985**, and the grayscale version is **74.2062, 78.0707, 85.0190**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1370, 41.9810, 46.5451** is the 20% darker color. If you saturate the color by 10%, you get **63.8426, 63.6203, 84.5175**, and if you desaturate by 10%, it is **86.4085, 94.1383, 89.2187**.

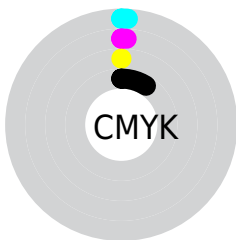
# Distribution



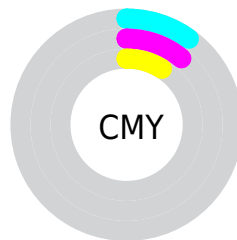
- Red (90%)
- Green (89%)
- Blue (91%)



- Red (90%)
- Yellow (89%)
- Blue (91%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (10%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4803, 77.9143, 86.7147 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 74.4803, 77.9143, 86.7147 by changing the saturation by 10% instead.



■ 74.4803, 77.9143,  
86.7147

■ 74.4803, 77.9143,  
86.7147

465.1541,  
487.8757, 537.5768

■ 55.4799, 58.0036,  
64.7009

124.5683,  
130.4293, 144.6618

■ 40.0214, 41.8115,  
46.7688

156.3866,  
163.8024, 181.4321

■ 27.7396, 28.9537,  
32.4998

193.2082,  
202.4317, 223.9583

■ 18.2689, 19.0458,  
21.4756

235.3986,  
246.7017, 272.6589

■ 11.2441, 11.7034,  
13.2775

283.3230,  
296.9966, 327.9526

■ 6.2997, 6.5421,  
7.4869

337.3468,

■ 3.0706, 3.1774,

353.7011, 390.2577

3.6854

397.8354,  
417.1993, 459.9929

■ 1.1912, 1.2250,  
1.4544

■ 0.0994, 0.0820,  
0.1836

■ 74.4803, 77.9143,  
86.7147

■ 74.4803, 77.9143,  
86.7147

■ 63.8426, 63.6203,  
84.5175

■ 86.4085, 94.1383,  
89.2187

■ 54.4440, 51.1737,  
82.6105

■ 91.4240, 98.5496,  
89.8059

■ 46.2393, 40.5005,  
80.9827

■ 39.1779, 31.5178,  
79.6211

■ 33.2055, 24.1361,  
78.5110

■ 28.2630, 18.2571,  
77.6368

■ 24.2849, 13.7716,  
76.9807

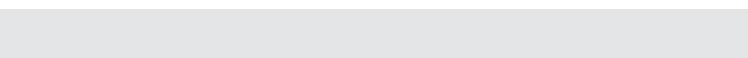
■ 21.1977, 10.5550,  
76.5225

■ 18.9150, 8.4589,  
76.2382

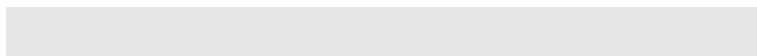
# Harmonies

## Analogous

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



74.0970, 77.9143, 87.0781



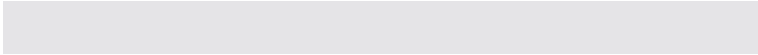
74.4803, 77.9143, 86.7147



74.7505, 77.9143, 85.8475

# Triad

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



74.4803, 77.9143, 86.7147



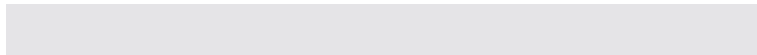
74.4078, 77.9143, 82.8658



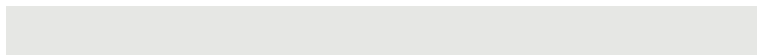
73.2816, 77.9143, 84.9550

# Complementary

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



74.4803, 77.9143, 86.7147



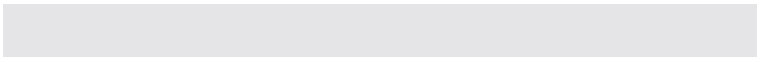
75.2155, 79.5783, 84.7985

# 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.



73.3642, 77.9143, 83.8313



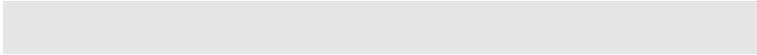
74.4803, 77.9143, 86.7147



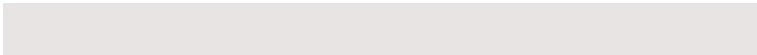
74.0135, 77.9143, 82.6316

# Square

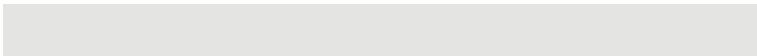
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



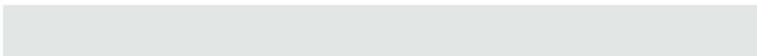
74.4803, 77.9143, 86.7147



74.7085, 77.9143, 83.6261



73.6317, 77.9143, 82.9835



73.4057, 77.9143, 86.0564



# Rectangle

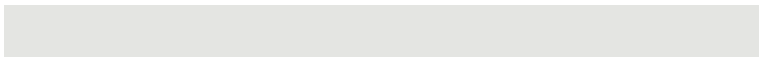
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.4803, 77.9143, 86.7147



74.8296, 77.9143, 85.1040



73.6317, 77.9143, 82.9835



73.2862, 77.9143, 84.5674

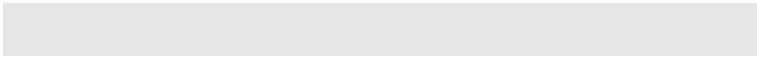
# Sweetspot

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



74.4825, 77.9176, 86.7164

95.0500, 100.0000, 108.9000



74.7321, 78.8875, 86.8904



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

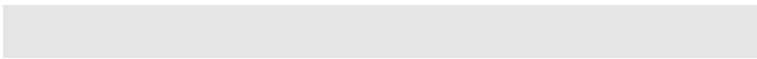
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4825, 77.9176, 86.7164



92.2032, 96.1491, 108.3068



74.9474, 78.1573, 86.7382



15.7628, 16.4463, 18.4880



9.9109, 4.1752, 42.6667

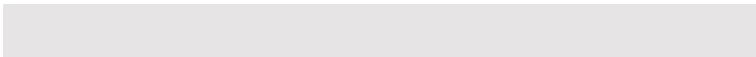


0.8280, 0.3578, 3.1574



# Inverse Universe

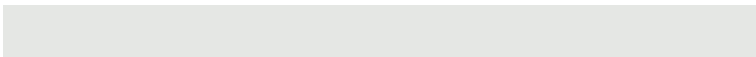
The Inverse Universe completely reimagines the original color for something new.



74.9840, 78.1924, 86.0073



93.1727, 96.6803, 106.9332



74.7518, 79.3393, 84.7769



15.9184, 16.5315, 18.2676



21.8136, 10.8596, 18.4450

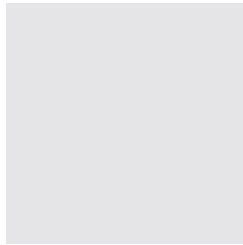


1.6546, 0.8195, 1.5875



# Previews

## White Background



This preview shows how the XYZ color 74.4803, 77.9143, 86.7147 looks on a white background.

## Color Contrast Check

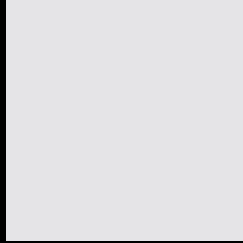
Large Text (above 18pt) WCAG AA × Fail

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 74.4803, 77.9143, 86.7147 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

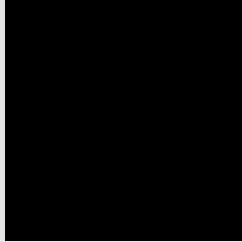
Any Text WCAG AAA ✓ Pass

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

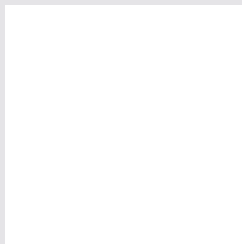


**XYZ 74.4803, 77.9143, 86.7147**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4803, 77.9143, 86.7147.



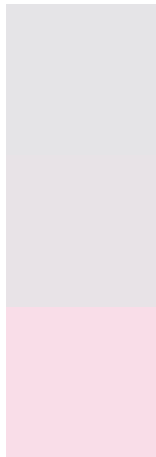
This preview shows how white text looks on a background with the XYZ color 74.4803, 77.9143,



# 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

74.4803, 77.9143, 86.7147

### Protanopia

75.1716, 77.8635, 86.6685

### Deuteranopia

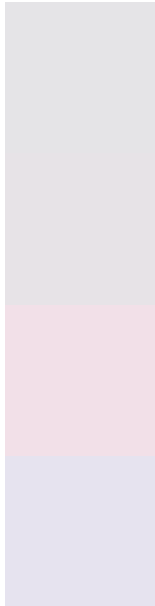
79.4889, 77.6788, 87.1479



## Tritanopia

76.4805, 77.9133, 96.5958

# Trichromacy



## Original Color

74.4803, 77.9143, 86.7147

## Protanomaly

74.8479, 77.6966, 86.6533

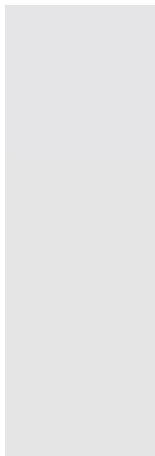
## Deuteranomaly

77.8391, 78.0147, 87.2997

## Tritanomaly

75.6822, 77.9932, 92.7267

# Monochromacy



## Original Color

74.4803, 77.9143, 86.7147

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.6153, 78.4098, 86.0649

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4803, 77.9143, 86.7147 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(229, 228, 231) looks like.

```
.text, #text, p{  
    color:rgb(229, 228, 231)  
}
```

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(229, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4803, 77.9143, 86.7147 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(229, 228, 231) }
```

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

```
.border{ border-color:rgb(229, 228, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(229, 228,  
231) }
```



# Background

The CSS property to change the background color of an element to XYZ 74.4803, 77.9143, 86.7147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 228, 231) }
```

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

```
.background{ background-color: rgb(229,  
228, 231) }
```

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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