

# Converting Colors

XYZ(79.3509, 86.9670, 77.6978)

Have a look what the booklet for  
XYZ(79.3509, 86.9670, 77.6978)  
contains.

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# Color

**XYZ(79.3703, 87.0636,  
77.5874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF3D8
RGB	237, 243, 216
RGB Percent	93%, 95%, 85%
CMY	0.0706, 0.0470, 0.1529
CMYK	0.02, 0.00, 0.11, 0.05
HSL	73°, 53%, 90%
HSV	73°, 11%, 95%
XYZ	79.3703, 87.0636, 77.5874
YIQ	238.1280, 5.0910, -9.6690

# Conversions

## Conversions Part 2

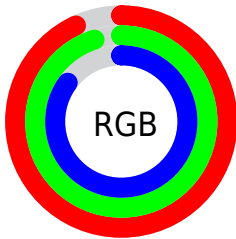
Format	Color
R <sub>Y</sub> B	216, 243, 222
Decimal	15594456
CIE Lab	94.77, -6.59, 12.34
CIE LCh	95, 13.988, 118.121
Yxy	87.0636, 0.3253, 0.3568
Android (android.graphics.Color)	4293784536 (0xFFEDF3D8)
YUV	238.1280, -10.9091, -0.9893
Hunter-Lab	93.3079, -11.4517, 16.0147

# Details

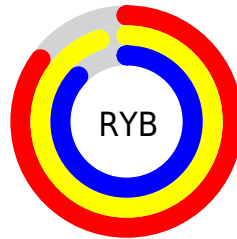
The XYZ color **79.3703, 87.0636, 77.5874** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.8611, 71.1147, 94.7904**, and the grayscale version is **81.4483, 85.6899, 93.3163**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2594, 47.9376, 40.6911** is the 20% darker color. If you saturate the color by 10%, you get **74.6818, 84.9858, 62.1635**, and if you desaturate by 10%, it is **84.5826, 89.3629, 95.4646**.

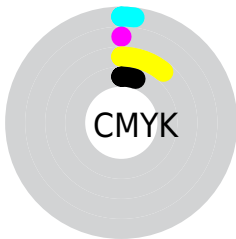
# Distribution



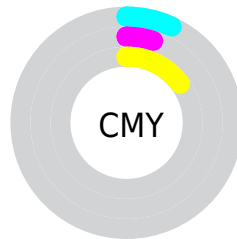
- Red (93%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.3703, 87.0636, 77.5874 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 79.3703, 87.0636, 77.5874 by changing the saturation by 10% instead.



79.3703, 87.0636,  
77.5874

79.3703, 87.0636,  
77.5874

481.5771,  
518.4318, 506.2552

59.5070, 65.5478,  
57.2207

131.4352,  
143.2528, 131.7489

43.2693, 47.9054,  
40.7719

164.3676,  
178.6950, 166.3807

30.2919, 33.7520,  
27.8225

202.3869,  
219.5482, 206.6047

20.2094, 22.7032,  
17.9540

245.8587,  
266.1966, 252.8393

12.6565, 14.3745,  
10.7479

295.1483,  
319.0249, 305.5031

7.2678, 8.3816,  
5.7855

350.6210,

3.6780, 4.3401,

378.4172, 365.0147

2.6485

412.6421,  
444.7581, 431.7925

■ 1.5216, 1.8656,  
0.9173

■ 0.3405, 0.5275,  
0.0000

■ 79.3703, 87.0636,  
77.5874

■ 79.3703, 87.0636,  
77.5874

■ 74.6818, 84.9858,  
62.1635

■ 84.5826, 89.3629,  
95.4646

■ 70.4893, 83.1097,  
49.0803

■ 88.7459, 91.2462,  
107.5426

■ 66.7727, 81.4301,  
38.2246

■ 90.6877, 92.2472,  
107.6335

■ 63.5080, 79.9374,  
29.4719

■ 91.3424, 92.5847,  
107.6641

■ 60.6685, 78.6209,  
22.6852

■ 58.2249, 77.4687,  
17.7114

■ 56.1431, 76.4672,  
14.3748

■ 54.3828, 75.6002,  
12.4649

■ 53.0309, 74.9195,  
11.6659

# Harmonies

## Analogous

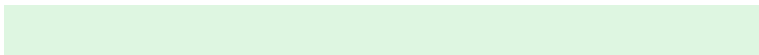
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9901, 87.0636, 75.4654



79.3703, 87.0636, 77.5874



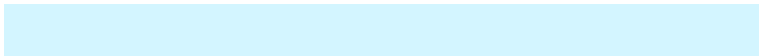
76.7275, 87.0636, 84.2165

# Triad

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



79.3703, 87.0636, 77.5874



78.9692, 87.0636, 113.6087



90.2357, 87.0636, 95.4821

# Complementary

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



79.3703, 87.0636, 77.5874



70.8611, 71.1147, 94.7904

# Split Complementary

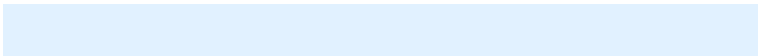
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0825, 87.0636, 106.2295



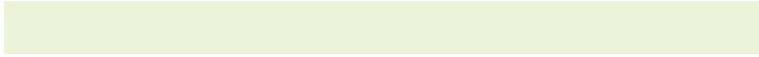
79.3703, 87.0636, 77.5874



82.5131, 87.0636, 117.1777

# Square

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



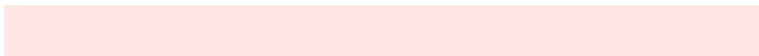
79.3703, 87.0636, 77.5874



76.5010, 87.0636, 104.9583



86.2271, 87.0636, 114.3810



89.3332, 87.0636, 85.3145

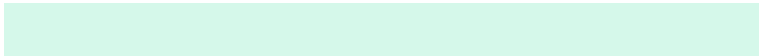


# Rectangle

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



79.3703, 87.0636, 77.5874



75.8359, 87.0636, 90.5740



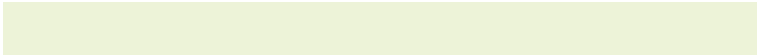
86.2271, 87.0636, 114.3810



90.0749, 87.0636, 99.1502

# Sweetspot

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



79.3727, 87.0674, 77.5893



93.2195, 99.1958, 102.5126



75.4413, 76.1780, 75.6946



19.8501, 21.1868, 21.5858



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

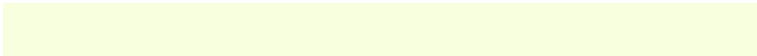


# Same Dimension

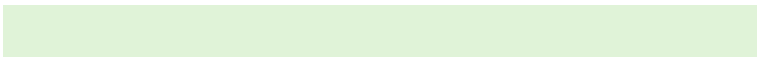
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3727, 87.0674, 77.5893



87.5045, 96.6745, 83.0499



75.0803, 84.8546, 77.3884



17.5331, 19.1169, 17.5634



29.2246, 41.1786, 6.4080



2.6552, 3.6638, 0.5673



# Inverse Universe

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



70.8611, 71.1147, 94.7904



76.5153, 76.0774, 105.2594



75.1131, 73.3067, 94.9894



15.9258, 16.1044, 20.8116



9.8091, 4.0311, 46.7991

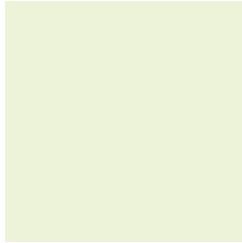


0.9470, 0.3980, 4.1172



# Previews

## White Background



This preview shows how the XYZ color 79.3703, 87.0636, 77.5874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

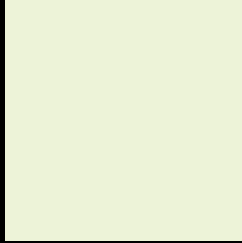
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.3703, 87.0636, 77.5874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

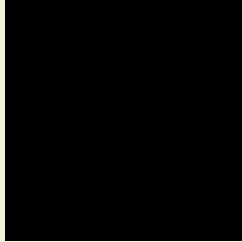
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

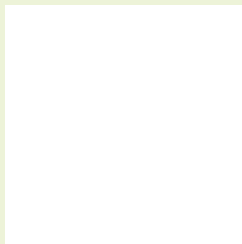
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.3703, 87.0636, 77.5874**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.3703, 87.0636, 77.5874.



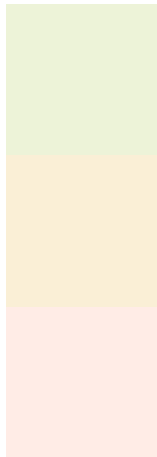
This preview shows how white text looks on a background with the XYZ color 79.3703, 87.0636,



# 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

79.3703, 87.0636, 77.5874

### Protanopia

82.4284, 86.9120, 76.0496

### Deuteranopia

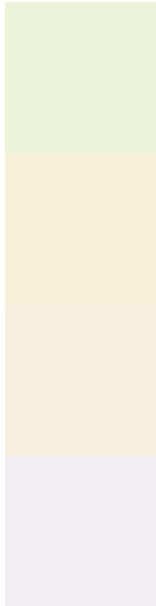
85.5184, 86.9641, 87.1414



## Tritanopia

85.2963, 86.8431, 106.8745

# Trichromacy



## Original Color

79.3703, 87.0636, 77.5874

## Protanomaly

81.0820, 86.6390, 76.7395

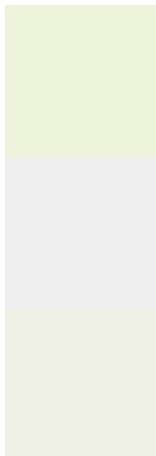
## Deuteranomaly

83.1685, 87.1257, 83.6677

## Tritanomaly

83.0193, 86.7846, 95.5946

# Monochromacy



## Original Color

79.3703, 87.0636, 77.5874

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.7029, 86.2105, 87.2497

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.3703, 87.0636, 77.5874 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(237, 243, 216) looks like.

```
.text, #text, p{  
    color:rgb(237, 243, 216)  
}
```

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(237, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 243, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 79.3703, 87.0636, 77.5874 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(237, 243, 216) }
```



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

```
.border{ border-color:rgb(237, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(237, 243,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.3703, 87.0636, 77.5874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 243, 216) }
```

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

```
.background{ background-color: rgb(237,  
243, 216) }
```

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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