

# Converting Colors

XYZ(79.6981, 87.8279, 76.7734)

Have a look what the booklet for  
XYZ(79.6981, 87.8279, 76.7734)  
contains.

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# **Color**

**XYZ(79.5415, 87.6122,  
77.0085)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDF4D7
RGB	237, 244, 215
RGB Percent	93%, 96%, 84%
CMY	0.0706, 0.0431, 0.1569
CMYK	0.03, 0.00, 0.12, 0.04
HSL	74°, 57%, 90%
HSV	74°, 12%, 96%
XYZ	79.5415, 87.6122, 77.0085
YIQ	238.6010, 5.1370, -10.5030

# Conversions

## Conversions Part 2

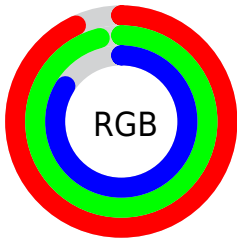
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 244, 222
Decimal	15594711
CIE Lab	95.00, -7.26, 13.18
CIE LCh	95, 15.047, 118.828
Yxy	87.6122, 0.3258, 0.3588
Android (android.graphics.Color)	4293784791 (0xFFEDF4D7)
YUV	238.6010, -11.6353, -1.4041
Hunter-Lab	93.6014, -12.1150, 16.7414

# Details

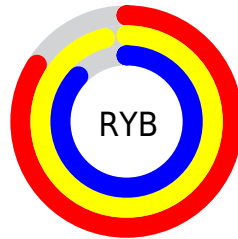
The XYZ color **79.5415, 87.6122, 77.0085** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.7571, 70.6645, 95.5029**, and the grayscale version is **81.8207, 86.0818, 93.7430**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.3844, 48.3283, 40.2994** is the 20% darker color. If you saturate the color by 10%, you get **74.7025, 85.4559, 61.6179**, and if you desaturate by 10%, it is **84.9176, 89.9966, 94.8688**.

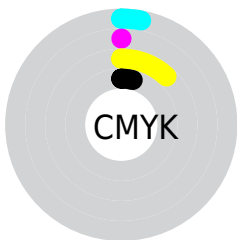
# Distribution



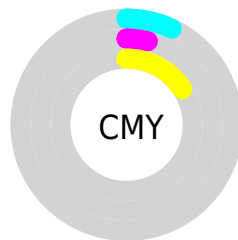
- Red (93%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (87%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.5415, 87.6122, 77.0085 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 79.5415, 87.6122, 77.0085 by changing the saturation by 10% instead.



79.5415, 87.6122,  
77.0085

79.5415, 87.6122,  
77.0085

482.1464,  
520.2324, 504.2314

59.6483, 66.0019,  
56.7482

131.6748,  
144.0171, 130.9246

43.3836, 48.2740,  
40.3951

164.6457,  
179.5806, 165.4175

30.3820, 34.0439,  
27.5306

202.7064,  
220.5640, 205.4918

20.2782, 22.9273,  
17.7362

246.2224,  
267.3516, 251.5658

12.7069, 14.5399,  
10.5933

295.5591,  
320.3278, 304.0583

7.3026, 8.4971,  
5.6833

351.0817,

3.7001, 4.4146,

379.8771, 363.3877

2.5878

413.1557,  
446.3839, 429.9726

■ 1.5339, 1.9081,  
0.8862

■ 0.3487, 0.5532,  
0.0000

■ 79.5415, 87.6122,  
77.0085

■ 79.5415, 87.6122,  
77.0085

■ 74.7025, 85.4559,  
61.6179

■ 84.9176, 89.9966,  
94.8688

■ 70.3723, 83.5076,  
48.5825

■ 89.3935, 92.0255,  
107.6589

■ 66.5304, 81.7620,  
37.7877

■ 91.5248, 93.1243,  
107.7586

■ 63.1522, 80.2091,  
29.1065

■ 91.6425, 93.1849,  
107.7642

■ 60.2105, 78.8380,  
22.3995

■ 57.6750, 77.6365,  
17.5106

■ 55.5109, 76.5906,  
14.2601

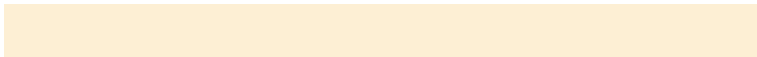
■ 53.6766, 75.6835,  
12.4317

■ 52.3785, 75.0287,  
11.7214

# Harmonies

## Analogous

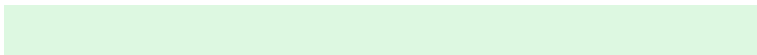
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4336, 87.6122, 74.6201



79.5415, 87.6122, 77.0085



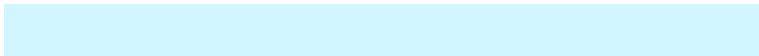
76.7296, 87.6122, 84.2153

# Triad

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



79.5415, 87.6122, 77.0085



79.2718, 87.6122, 115.9717



91.3776, 87.6122, 95.8558

# Complementary

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



79.5415, 87.6122, 77.0085



70.7571, 70.6645, 95.5029

# Split Complementary

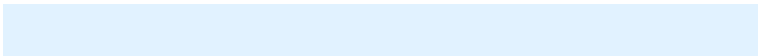
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1778, 87.6122, 107.5223



79.5415, 87.6122, 77.0085



83.1121, 87.6122, 119.7064

# Square

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



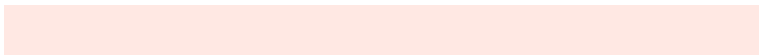
79.5415, 87.6122, 77.0085



76.5775, 87.6122, 106.6611



87.1189, 87.6122, 116.4968



90.3474, 87.6122, 84.9512

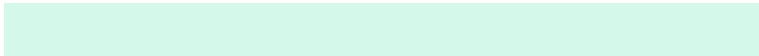


# Rectangle

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



79.5415, 87.6122, 77.0085



75.8002, 87.6122, 91.1010



87.1189, 87.6122, 116.4968



91.2210, 87.6122, 99.8214

# Sweetspot

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



79.5439, 87.6160, 77.0104



92.5504, 98.8961, 100.4371



75.6363, 76.2607, 75.0245



19.7113, 21.1244, 21.1679



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

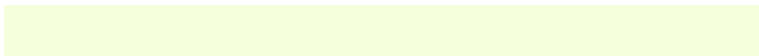


# Same Dimension

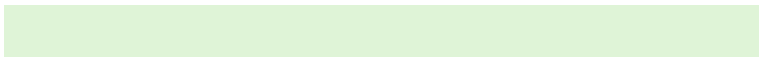
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.5439, 87.6160, 77.0104



86.7246, 96.3116, 81.2442



74.9686, 85.2574, 76.7963



17.5008, 19.1002, 17.5619



28.6079, 40.8607, 6.3791



2.6057, 3.6384, 0.5649



# Inverse Universe

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



70.7571, 70.6645, 95.5029



75.4300, 74.5209, 105.0161



75.3132, 73.0132, 95.7161



15.9559, 16.1199, 20.8131



9.9592, 4.1085, 46.8061

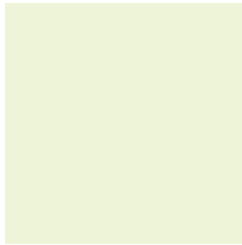


0.9640, 0.4068, 4.1180



# Previews

## White Background



This preview shows how the XYZ color 79.5415, 87.6122, 77.0085 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

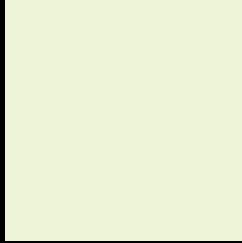
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.5415, 87.6122, 77.0085 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

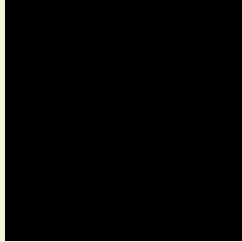
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

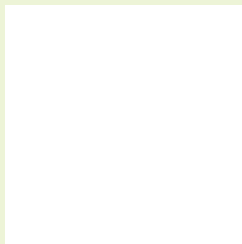
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.5415, 87.6122, 77.0085**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.5415, 87.6122, 77.0085.



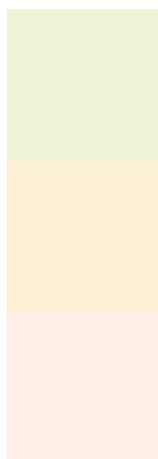
This preview shows how white text looks on a background with the XYZ color 79.5415, 87.6122,



# 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

79.5415, 87.6122, 77.0085

### Protanopia

82.9540, 87.6335, 75.4936

### Deuteranopia

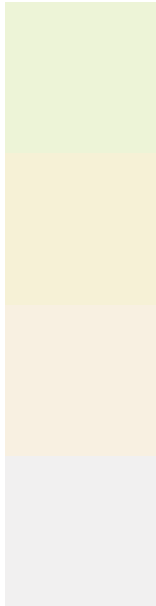
85.9480, 87.5979, 87.9794



## Tritanopia

85.5867, 87.4238, 106.9713

# Trichromacy



## Original Color

79.5415, 87.6122, 77.0085

## Protanomaly

81.5989, 87.3585, 76.1795

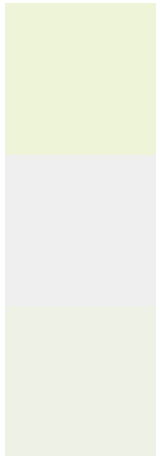
## Deuteranomaly

83.4621, 87.7129, 83.7655

## Tritanomaly

83.1639, 87.3122, 94.9078

# Monochromacy



## Original Color

79.5415, 87.6122, 77.0085

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

80.9981, 86.8009, 87.3481

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.5415, 87.6122, 77.0085 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, 244, 215) looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 215)  
}
```

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, 244, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 79.5415, 87.6122, 77.0085 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, 244, 215) }
```



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

```
.border{ border-color:rgb(237, 244, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 244, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.5415, 87.6122, 77.0085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 215) }
```

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

```
.background{ background-color: rgb(237,  
244, 215) }
```

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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