

# Converting Colors

XYZ(79.8950, 85.8102, 86.4808)

Have a look what the booklet for  
XYZ(79.8950, 85.8102, 86.4808)  
contains.

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# **Color**

**XYZ(79.8950, 85.8102,  
86.4808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF0E5
RGB	236, 240, 229
RGB Percent	93%, 94%, 90%
CMY	0.0745, 0.0588, 0.1020
CMYK	0.02, 0.00, 0.05, 0.06
HSL	82°, 27%, 92%
HSV	82°, 5%, 94%
XYZ	79.8950, 85.8102, 86.4808
YIQ	237.5500, 1.1470, -4.2690

# Conversions

## Conversions Part 2

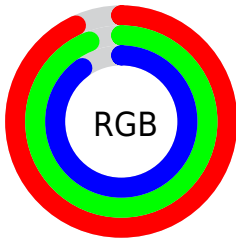
Format	Color
R <sub>Y</sub> B	229, 240, 233
Decimal	15528165
CIE Lab	94.23, -3.26, 4.84
CIE LCh	94, 5.829, 123.949
Yxy	85.8102, 0.3168, 0.3403
Android (android.graphics.Color)	4293718245 (0xFFE0E5)
YUV	237.5500, -4.2151, -1.3593
Hunter-Lab	92.6338, -8.1561, 9.4919

# Details

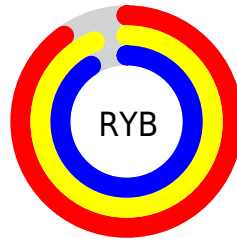
The XYZ color **79.8950, 85.8102, 86.4808** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.3551, 79.6558, 93.7406**, and the grayscale version is **80.9532, 85.1691, 92.7491**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6029, 47.0403, 46.8260** is the 20% darker color. If you saturate the color by 10%, you get **73.9443, 83.1058, 69.9020**, and if you desaturate by 10%, it is **86.4556, 88.7805, 105.5100**.

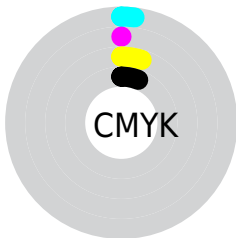
# Distribution



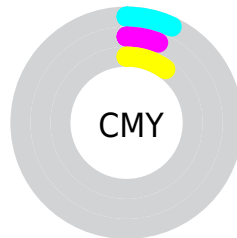
- Red (93%)
- Green (94%)
- Blue (90%)



- Red (90%)
- Yellow (94%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8950, 85.8102, 86.4808 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 79.8950, 85.8102, 86.4808 by changing the saturation by 10% instead.



79.8950, 85.8102,  
86.4808

79.8950, 85.8102,  
86.4808

483.3208,  
514.3052, 536.7871

59.9401, 64.5110,  
64.5085

132.1694,  
141.5046, 144.3327

43.6196, 47.0647,  
46.6138

165.2196,  
176.6686, 181.0494

30.5682, 33.0868,  
32.3783

203.3657,  
217.2231, 223.5179

20.4205, 22.1930,  
21.3834

246.9729,  
263.5523, 272.1568

12.8111, 13.9987,  
13.2106

296.4067,  
316.0407, 327.3846

7.3747, 8.1198,  
7.4413

352.0324,

3.7459, 4.1717,

375.0727, 389.6199

3.6570

414.2153,  
441.0328, 459.2812

■ 1.5594, 1.7701,  
1.4391

■ 0.3657, 0.4684,  
0.1719

■ 79.8950, 85.8102,  
86.4808

■ 79.8950, 85.8102,  
86.4808

■ 73.9443, 83.1058,  
69.9020

■ 86.4556, 88.7805,  
105.5100

■ 68.5756, 80.6476,  
55.6686

■ 89.8908, 90.5144,  
107.3410

■ 63.7689, 78.4301,  
43.6758

■ 90.4518, 90.8036,  
107.3673

■ 59.5004, 76.4436,  
33.8092

■ 55.7444, 74.6775,  
25.9438

■ 52.4724, 73.1202,  
19.9420

■ 49.6527, 71.7587,  
15.6484

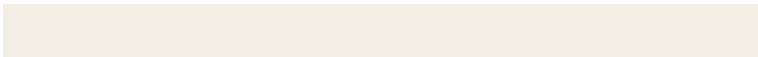
■ 47.2488, 70.5782,  
12.8827

■ 45.2164, 69.5606,  
11.4240

# Harmonies

## Analogous

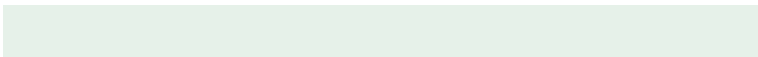
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3534, 85.8102, 85.1155



79.8950, 85.8102, 86.4808



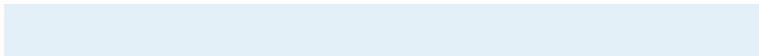
78.8926, 85.8102, 89.7077

# Triad

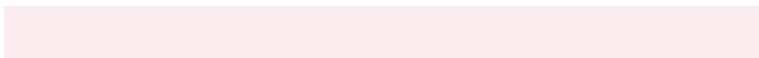
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8950, 85.8102, 86.4808



80.2487, 85.8102, 101.3715



84.5917, 85.8102, 92.8418

# Complementary

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



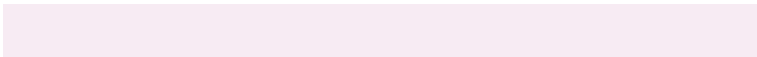
79.8950, 85.8102, 86.4808



77.3551, 79.6558, 93.7406

# 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.



84.2868, 85.8102, 97.2595



79.8950, 85.8102, 86.4808



81.7670, 85.8102, 102.2749

# Square

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



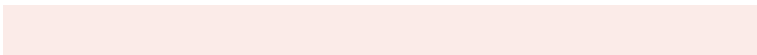
79.8950, 85.8102, 86.4808



79.0950, 85.8102, 98.3168



83.2480, 85.8102, 100.7476



84.0757, 85.8102, 88.7132

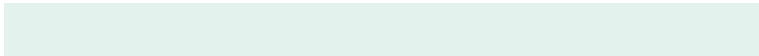


# Rectangle

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



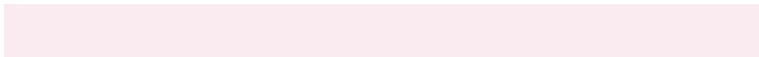
79.8950, 85.8102, 86.4808



78.6110, 85.8102, 92.5294



83.2480, 85.8102, 100.7476



84.5818, 85.8102, 94.3419

# Sweetspot

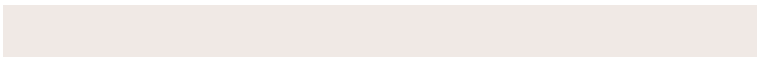
The Sweet Spot groups the original color and five complimentary colors.



79.8974, 85.8139, 86.4827



94.3015, 99.6613, 106.7361



79.1776, 82.3782, 85.8574



20.1923, 21.3352, 22.8687



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

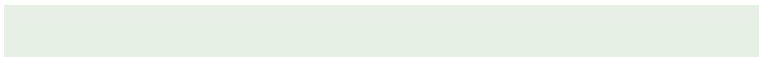
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8974, 85.8139, 86.4827



90.6648, 98.0127, 96.3444



78.1477, 84.9119, 86.4008



16.9020, 18.3226, 17.8180



24.3651, 37.8822, 6.0278



2.1356, 3.2075, 0.5065



# Inverse Universe

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



77.3551, 79.6558, 93.7406



86.8715, 88.8244, 107.1739



79.1281, 80.5698, 93.8236



16.1223, 16.4340, 20.0440



10.9118, 4.6306, 45.4466

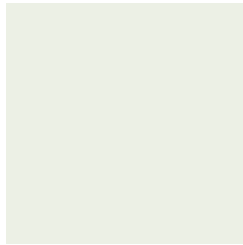


1.0133, 0.4396, 3.7857



# Previews

## White Background



This preview shows how the XYZ color 79.8950, 85.8102, 86.4808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

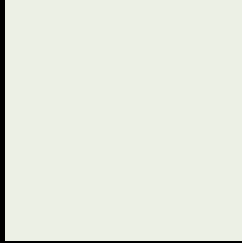
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8950, 85.8102, 86.4808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

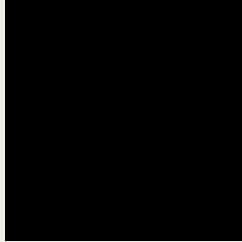
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

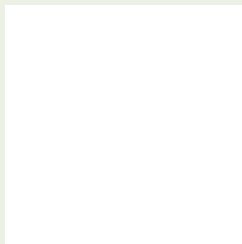
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.8950, 85.8102, 86.4808**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8950, 85.8102, 86.4808.



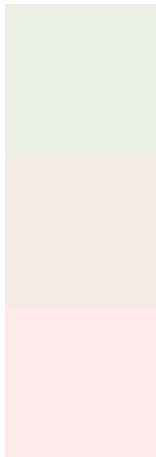
This preview shows how white text looks on a background with the XYZ color 79.8950, 85.8102,

86.4808.

# 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

79.8950, 85.8102, 86.4808

### Protanopia

81.9440, 85.5823, 85.5989

### Deuteranopia

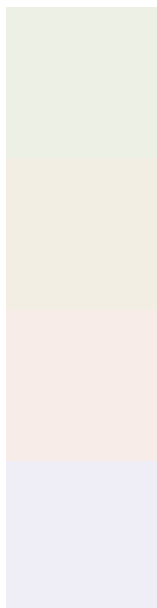
85.2302, 85.4783, 89.8488



## Tritanopia

83.9806, 85.7362, 106.7302

# Trichromacy



## Original Color

79.8950, 85.8102, 86.4808

## Protanomaly

81.1961, 85.6278, 85.6471

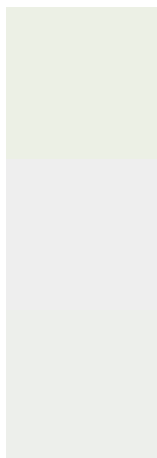
## Deuteranomaly

83.2723, 85.7736, 88.5110

## Tritanomaly

82.5153, 85.5729, 99.3570

# Monochromacy



## Original Color

79.8950, 85.8102, 86.4808

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.7870, 85.7357, 90.8880

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8950, 85.8102, 86.4808 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(236, 240, 229) looks like.

```
.text, #text, p{  
    color:rgb(236, 240, 229)  
}
```

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(236, 240, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 240, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8950, 85.8102, 86.4808 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(236, 240, 229) }
```



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

```
.border{ border-color:rgb(236, 240, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 240, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 240, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 240, 229);  
box-shadow:4px 4px 4px 4px rgb(236, 240,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8950, 85.8102, 86.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 240, 229) }
```

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

```
.background{ background-color: rgb(236,  
240, 229) }
```

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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