

# Converting Colors

XYZ(80.0015, 84.5990, 86.9024)

Have a look what the booklet for  
XYZ(80.0015, 84.5990, 86.9024)  
contains.

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# **Color**

**XYZ(79.8270, 84.4587,  
86.9577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEDE6
RGB	238, 237, 230
RGB Percent	93%, 93%, 90%
CMY	0.0667, 0.0706, 0.0980
CMYK	0.00, 0.00, 0.03, 0.07
HSL	53°, 19%, 92%
HSV	53°, 3%, 93%
XYZ	79.8270, 84.4587, 86.9577
YIQ	236.5010, 2.8430, -1.9650

# Conversions

## Conversions Part 2

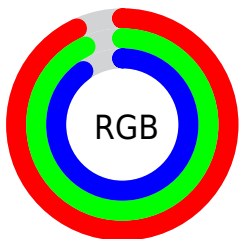
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 238, 230
Decimal	15658470
CIE Lab	93.65, -0.88, 3.49
CIE LCh	94, 3.602, 104.168
Yxy	84.4587, 0.3177, 0.3362
Android (android.graphics.Color)	4293848550 (0xFFEEEEDE6)
YUV	236.5010, -3.2050, 1.3146
Hunter-Lab	91.9014, -5.7796, 8.2304

# Details

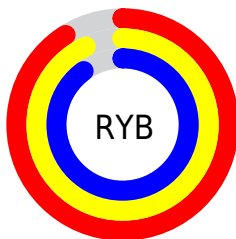
The XYZ color **79.8270, 84.4587, 86.9577** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6416, 80.1467, 92.3204**, and the grayscale version is **80.1371, 84.3105, 91.8141**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5531, 46.0880, 47.1578** is the 20% darker color. If you saturate the color by 10%, you get **75.8607, 81.5140, 70.2564**, and if you desaturate by 10%, it is **84.2686, 87.6216, 106.0708**.

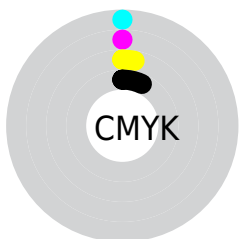
# Distribution



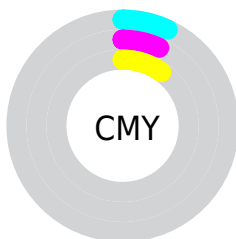
- Red (93%)
- Green (93%)
- Blue (90%)



- Red (91%)
- Yellow (93%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8270, 84.4587, 86.9577 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 79.8270, 84.4587, 86.9577 by changing the saturation by 10% instead.



■ 79.8270, 84.4587,  
86.9577

■ 79.8270, 84.4587,  
86.9577

483.0950,  
509.8352, 538.3965

■ 59.8840, 63.3942,  
64.9008

132.0743,  
139.6166, 145.0035

■ 43.5742, 46.1602,  
46.9298

165.1092,  
174.4789, 181.8295

■ 30.5324, 32.3723,  
32.6262

203.2389,  
214.7092, 224.4156

■ 20.3931, 21.6460,  
21.5715

246.8286,  
260.6919, 273.1803

■ 12.7910, 13.5970,  
13.3471

296.2437,  
312.8115, 328.5422

■ 7.3608, 7.8409,  
7.5344

351.8496,

■ 3.7371, 3.9933,

371.4523, 390.9199

3.7151

414.0116,  
436.9988, 460.7318

■ 1.5545, 1.6698,  
1.4704

■ 0.3625, 0.4040,  
0.1957

■ 79.8270, 84.4587,  
86.9577

■ 79.8270, 84.4587,  
86.9577

■ 75.8607, 81.5140,  
70.2564

■ 84.2686, 87.6216,  
106.0708

■ 72.3442, 78.7691,  
55.8648

■ 85.3399, 89.4565,  
107.3767

■ 69.2602, 76.2195,  
43.6812

■ 86.2332, 91.2430,  
107.6744

■ 66.5875, 73.8569,  
33.5946

■ 87.1408, 93.0583,  
107.9770

■ 64.3030, 71.6718,  
25.4841

■ 88.0629, 94.9024,  
108.2843

■ 62.3815, 69.6540,  
19.2166

■ 88.9994, 96.7755,  
108.5965

■ 60.7944, 67.7920,  
14.6425

■ 89.0703, 96.9174,  
108.6202

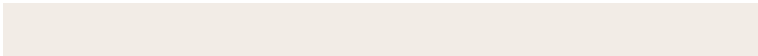
■ 59.5089, 66.0725,  
11.5889

■ 58.4850, 64.4795,  
9.8457

# Harmonies

## Analogous

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



80.7773, 84.4587, 86.9958



79.8270, 84.4587, 86.9577



79.0033, 84.4587, 88.2417

# Triad

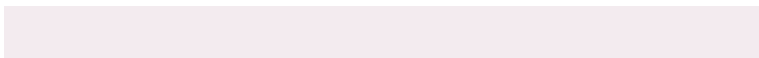
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8270, 84.4587, 86.9577



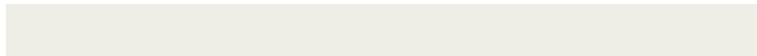
78.9660, 84.4587, 95.6729



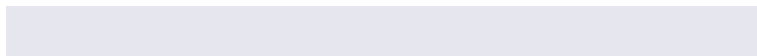
82.0544, 84.4587, 93.4028

# Complementary

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



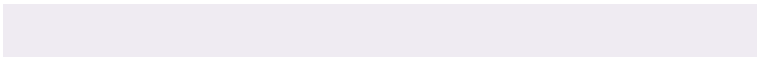
79.8270, 84.4587, 86.9577



76.6416, 80.1467, 92.3204

# 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.



81.5612, 84.4587, 95.7837



79.8270, 84.4587, 86.9577



79.7757, 84.4587, 97.1120

# Square

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



79.8270, 84.4587, 86.9577



78.5088, 84.4587, 93.2539



80.7256, 84.4587, 97.1530



82.0684, 84.4587, 90.6804



# Rectangle

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



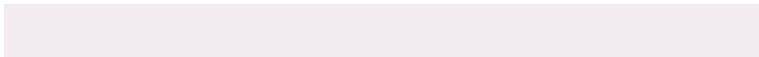
79.8270, 84.4587, 86.9577



78.6346, 84.4587, 89.6895



80.7256, 84.4587, 97.1530



81.9390, 84.4587, 94.2708

# Sweetspot

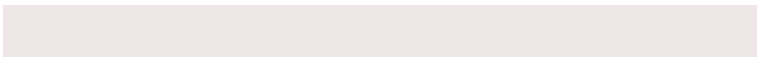
The Sweet Spot groups the original color and five complimentary colors.



79.8294, 84.4624, 86.9595



94.5409, 99.6345, 106.7183



77.9911, 80.5453, 87.0881



20.2410, 21.3298, 22.8651



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

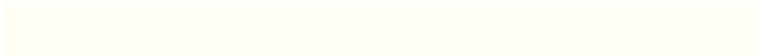


# Same Dimension

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



79.8294, 84.4624, 86.9595



93.0473, 98.5531, 100.3447



79.1415, 84.5369, 87.0102



17.3633, 18.4125, 18.5159



32.3728, 35.5437, 5.1544



2.7397, 3.0502, 0.4443



# Inverse Universe

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



76.6416, 80.1467, 92.3204



88.6133, 92.5503, 107.8013



77.3131, 80.0804, 92.2722



16.3876, 17.0915, 20.1569



8.9133, 4.0508, 45.4400

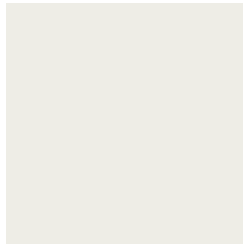


0.7920, 0.4381, 3.7970



# Previews

## White Background



This preview shows how the XYZ color 79.8270, 84.4587, 86.9577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

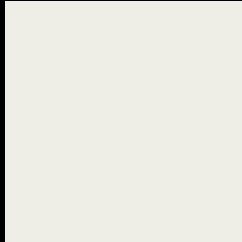
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8270, 84.4587, 86.9577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

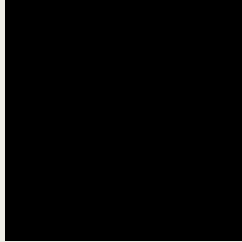
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

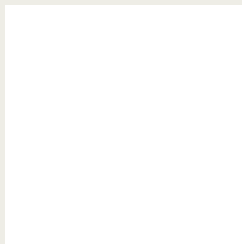
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.8270, 84.4587, 86.9577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8270, 84.4587, 86.9577.



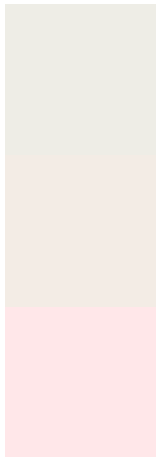
This preview shows how white text looks on a background with the XYZ color 79.8270, 84.4587,

86.9577.

# 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

79.8270, 84.4587, 86.9577

### Protanopia

81.1005, 84.7027, 86.2036

### Deuteranopia

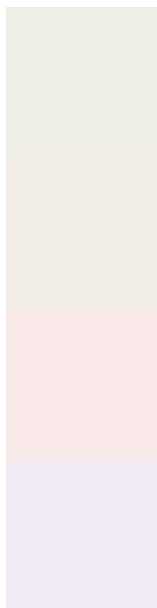
84.5239, 84.2950, 88.9065



## Tritanopia

83.2691, 84.5747, 104.0313

# Trichromacy



## Original Color

79.8270, 84.4587, 86.9577

## Protanomaly

80.4139, 84.3488, 86.1714

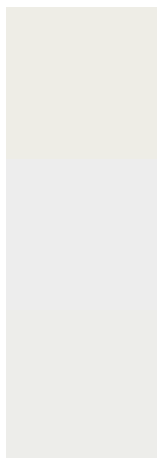
## Deuteranomaly

82.7713, 84.2438, 88.2421

## Tritanomaly

81.9726, 84.4736, 97.5726

# Monochromacy



## Original Color

79.8270, 84.4587, 86.9577

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.0605, 84.5134, 89.9350

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8270, 84.4587, 86.9577 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, 237, 230) looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 230)  
}
```

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, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8270, 84.4587, 86.9577 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, 237, 230) }
```



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

```
.border{ border-color:rgb(238, 237, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8270, 84.4587, 86.9577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 230) }
```

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

```
.background{ background-color: rgb(238,  
237, 230) }
```

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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