

# Converting Colors

XYZ(78.6407, 84.8442, 79.9805)

Have a look what the booklet for  
XYZ(78.6407, 84.8442, 79.9805)  
contains.

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# **Color**

**XYZ(78.7098, 84.9048,  
79.9500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDEFDC
RGB	237, 239, 220
RGB Percent	93%, 94%, 86%
CMY	0.0706, 0.0627, 0.1372
CMYK	0.01, 0.00, 0.08, 0.06
HSL	66°, 37%, 90%
HSV	66°, 8%, 94%
XYZ	78.7098, 84.9048, 79.9500
YIQ	236.2360, 4.9070, -6.3330

# Conversions

## Conversions Part 2

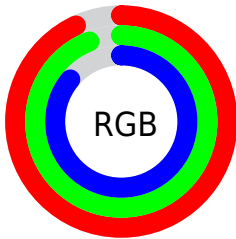
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 239, 222
Decimal	15593436
CIE Lab	93.84, -3.92, 8.95
CIE LCh	94, 9.772, 113.672
Yxy	84.9048, 0.3232, 0.3486
Android (android.graphics.Color)	4293783516 (0xFFEDEFDC)
YUV	236.2360, -8.0043, 0.6700
Hunter-Lab	92.1438, -8.7759, 13.0568

# Details

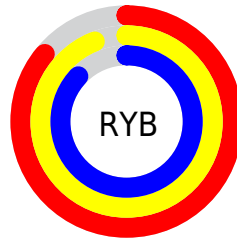
The XYZ color **78.7098, 84.9048, 79.9500** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **71.3007, 72.9503, 91.9887**, and the grayscale version is **79.9683, 84.1329, 91.6207**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7811, 46.4073, 42.3000** is the 20% darker color. If you saturate the color by 10%, you get **74.9330, 83.3003, 64.4142**, and if you desaturate by 10%, it is **82.9557, 86.7039, 97.8736**.

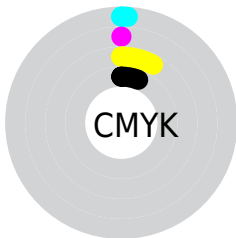
# Distribution



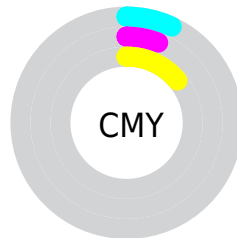
- Red (93%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7098, 84.9048, 79.9500 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 78.7098, 84.9048, 79.9500 by changing the saturation by 10% instead.



78.7098, 84.9048,  
79.9500

78.7098, 84.9048,  
79.9500

479.3771,  
511.3130, 514.4666

58.9620, 63.7627,  
59.1513

130.5103,  
140.2402, 135.1062

42.8288, 46.4585,  
42.3141

163.2938,  
175.2022, 170.3008

29.9448, 32.6078,  
29.0199

201.1532,  
215.5398, 211.1310

19.9445, 21.8262,  
18.8502

244.4540,  
261.6371, 258.0155

12.4628, 13.7292,  
11.3864

293.5614,  
313.8787, 311.3728

7.1341, 7.9326,  
6.2099

348.8408,

3.5932, 4.0518,

372.6490, 371.6214

2.9023

410.6576,  
438.3323, 439.1798

■ 1.4747, 1.7026,  
1.0450

■ 0.3085, 0.4253,  
0.0000

■ 78.7098, 84.9048,  
79.9500

■ 78.7098, 84.9048,  
79.9500

■ 74.9330, 83.3003,  
64.4142

■ 82.9557, 86.7039,  
97.8736

■ 71.5992, 81.8716,  
51.1600

■ 85.5510, 87.8413,  
107.0538

■ 68.6902, 80.6141,  
40.0814

■ 86.4226, 88.2906,  
107.0946

■ 66.1839, 79.5191,  
31.0620

■ 87.3062, 88.7461,  
107.1359

64.0559, 78.5767,  
23.9743

88.2017, 89.2078,  
107.1778

62.2793, 77.7763,  
18.6769

89.1094, 89.6757,  
107.2203

60.8237, 77.1056,  
15.0089

90.0292, 90.1499,  
107.2634

59.6529, 76.5501,  
12.7809

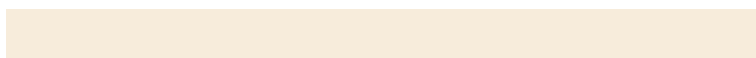
90.1582, 90.2164,  
107.2694

58.7174, 76.0901,  
11.7327

# Harmonies

## Analogous

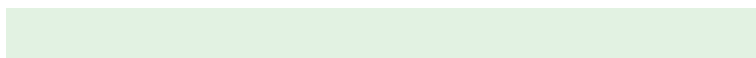
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2515, 84.9048, 78.9404



78.7098, 84.9048, 79.9500



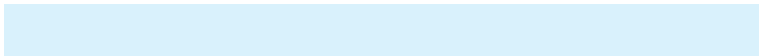
76.7404, 84.9048, 84.2257

# Triad

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



78.7098, 84.9048, 79.9500



77.7753, 84.9048, 104.4620



85.7685, 84.9048, 94.0332

# Complementary

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



78.7098, 84.9048, 79.9500



71.3007, 72.9503, 91.9887

# Split Complementary

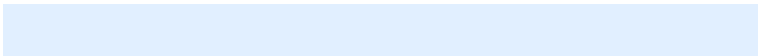
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7924, 84.9048, 101.1864



78.7098, 84.9048, 79.9500



80.1500, 84.9048, 107.4123

# Square

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



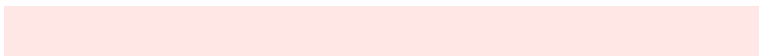
78.7098, 84.9048, 79.9500



76.2090, 84.9048, 98.3125



82.7224, 84.9048, 106.1826



85.3629, 84.9048, 86.8194



# Rectangle

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



78.7098, 84.9048, 79.9500



75.9985, 84.9048, 88.4818



82.7224, 84.9048, 106.1826



85.5904, 84.9048, 96.5288

# Sweetspot

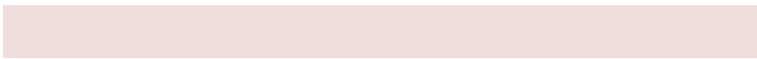
The Sweet Spot groups the original color and five complimentary colors.



78.7121, 84.9085, 79.9518



94.0420, 99.5740, 104.6234



74.6124, 75.7098, 78.3924



20.1394, 21.3174, 22.4385



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

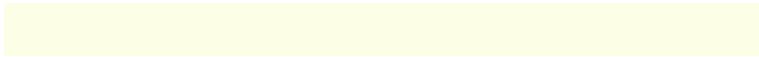


# Same Dimension

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



78.7121, 84.9085, 79.9518



90.2301, 97.9585, 88.6475



75.6559, 83.3330, 79.8088



16.9491, 18.3694, 16.8021



32.4155, 42.0324, 6.4046



2.7434, 3.5208, 0.5350



# Inverse Universe

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



71.3007, 72.9503, 91.9887



79.5482, 80.7233, 105.9963



74.2601, 74.4760, 92.1272



15.0520, 15.3085, 19.8831



8.8856, 3.5861, 45.3517

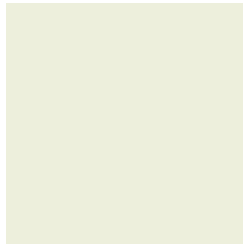


0.7903, 0.3247, 3.7752



# Previews

## White Background



This preview shows how the XYZ color 78.7098, 84.9048, 79.9500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

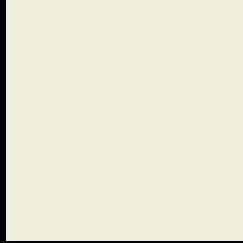
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.7098, 84.9048, 79.9500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

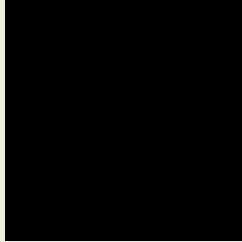
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

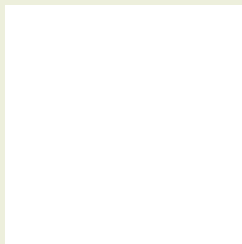
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.7098, 84.9048, 79.9500

## Background



This preview shows how black text looks on a background with the XYZ color 78.7098, 84.9048, 79.9500.



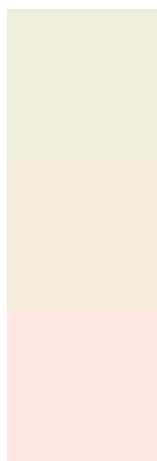
This preview shows how white text looks on a background with the XYZ color 78.7098, 84.9048,

79.9500.

# 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

78.7098, 84.9048, 79.9500

### Protanopia

80.7877, 84.6982, 79.1083

### Deuteranopia

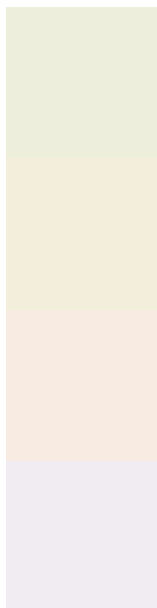
84.1002, 84.5747, 85.2908



## Tritanopia

83.7704, 84.8147, 104.8842

# Trichromacy



## Original Color

78.7098, 84.9048, 79.9500

## Protanomaly

80.0325, 84.7375, 79.1556

## Deuteranomaly

82.0103, 84.8094, 83.2816

## Tritanomaly

81.8078, 84.8670, 95.2883

# Monochromacy



## Original Color

78.7098, 84.9048, 79.9500

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.1592, 84.1144, 86.9265

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.7098, 84.9048, 79.9500 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, 239, 220) looks like.

```
.text, #text, p{  
    color:rgb(237, 239, 220)  
}
```

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, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 239, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 78.7098, 84.9048, 79.9500 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, 239, 220) }
```



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

```
.border{ border-color:rgb(237, 239, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 239, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 239, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 239, 220);  
box-shadow:4px 4px 4px 4px rgb(237, 239,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.7098, 84.9048, 79.9500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 239, 220) }
```

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

```
.background{ background-color: rgb(237,  
239, 220) }
```

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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