

# Converting Colors

XYZ(82.0990, 88.8705, 79.8445)

Have a look what the booklet for  
XYZ(82.0990, 88.8705, 79.8445)  
contains.

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# Color

**XYZ(82.0990, 88.8705,  
79.8445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F4DB
RGB	243, 244, 219
RGB Percent	95%, 96%, 86%
CMY	0.0471, 0.0431, 0.1412
CMYK	0.00, 0.00, 0.10, 0.04
HSL	62°, 53%, 91%
HSV	62°, 10%, 96%
XYZ	82.0990, 88.8705, 79.8445
YIQ	240.8510, 7.4290, -7.9870

# Conversions

## Conversions Part 2

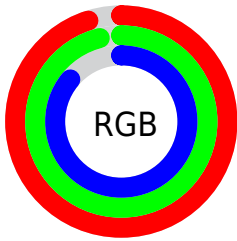
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 244, 220
Decimal	15987931
CIE Lab	95.53, -4.54, 11.93
CIE LCh	96, 12.767, 110.822
Yxy	88.8705, 0.3273, 0.3543
Android (android.graphics.Color)	4294178011 (0xFFFF3F4DB)
YUV	240.8510, -10.7725, 1.8847
Hunter-Lab	94.2712, -9.5222, 15.7732

# Details

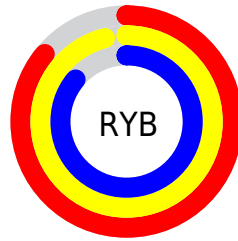
The XYZ color **82.0990, 88.8705, 79.8445** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.1793, 72.4127, 95.8182**, and the grayscale version is **83.5719, 87.9242, 95.7494**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1776, 49.2116, 42.2396** is the 20% darker color. If you saturate the color by 10%, you get **78.7827, 87.5079, 64.1322**, and if you desaturate by 10%, it is **85.8929, 90.4302, 98.0408**.

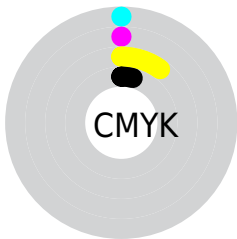
# Distribution



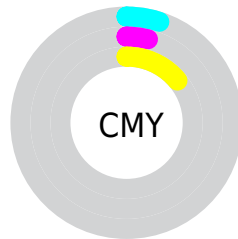
- Red (95%)
- Green (96%)
- Blue (86%)



- Red (86%)
- Yellow (96%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)




- Cyan (5%)
- Magenta (4%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0990, 88.8705, 79.8445 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 82.0990, 88.8705, 79.8445 by changing the saturation by 10% instead.




 82.0990, 88.8705,  
79.8445

 82.0990, 88.8705,  
79.8445


490.6083,  
524.3497, 514.1016

 61.7615, 67.0442,  
59.0650

135.2479,  
145.7685, 134.9565

 45.0949, 49.1206,  
42.2451

168.7901,  
181.6090, 170.1261

 31.7338, 34.7151,  
28.9662


207.4645,  
222.8896, 210.9294

 21.3128, 23.4435,  
18.8099

251.6366,  
269.9949, 257.7851

 13.4666, 14.9213,  
11.3576

301.6716,  
323.3092, 311.1116

 7.8298, 8.7642,  
6.1907

357.9350,

 4.0371, 4.5877,

383.2168, 371.3275

2.8907

420.7921,  
450.1022, 438.8513

■ 1.7232, 2.0074,  
1.0391

■ 0.4707, 0.6118,  
0.0000

■ 82.0990, 88.8705,  
79.8445

■ 82.0990, 88.8705,  
79.8445

■ 78.7827, 87.5079,  
64.1322

■ 85.8929, 90.4302,  
98.0408

■ 75.9164, 86.3226,  
50.7905


■ 88.0455, 91.3306,  
107.5958


■ 73.4805, 85.3097,  
39.7063


■ 88.3885, 91.5074,  
107.6119


■ 71.4514, 84.4596,  
30.7543


■ 88.7333, 91.6852,  
107.6280


 69.8029, 83.7621,  
23.7977


 89.0799, 91.8639,  
107.6442


 68.5060, 83.2054,  
18.6833


 89.4283, 92.0435,  
107.6605


 67.5275, 82.7762,  
15.2361

 89.7786, 92.2241,  
107.6769

 66.8277, 82.4588,  
13.2471

 90.1307, 92.4056,  
107.6934

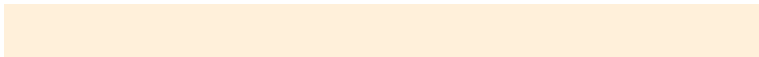
 66.3498, 82.2312,  
12.3752

 90.4846, 92.5880,  
107.7100

# Harmonies

## Analogous

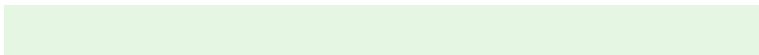
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5467, 88.8705, 78.9575



82.0990, 88.8705, 79.8445



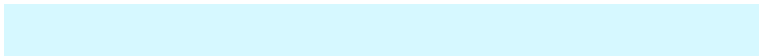
79.3585, 88.8705, 85.0924

# Triad

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



82.0990, 88.8705, 79.8445



80.2882, 88.8705, 112.4880



91.2882, 88.8705, 99.8718

# Complementary

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



82.0990, 88.8705, 79.8445



71.1793, 72.4127, 95.8182

# Split Complementary

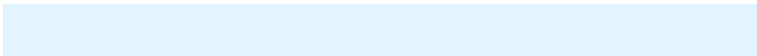
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7938, 88.8705, 109.4587



82.0990, 88.8705, 79.8445



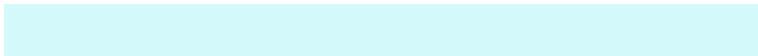
83.3998, 88.8705, 117.0665

# Square

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



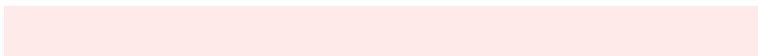
82.0990, 88.8705, 79.8445



78.3332, 88.8705, 103.7791



86.8837, 88.8705, 115.9212



90.9166, 88.8705, 90.0740

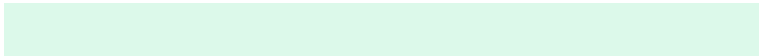


# Rectangle

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



82.0990, 88.8705, 79.8445



78.2704, 88.8705, 90.5703



86.8837, 88.8705, 115.9212



90.9860, 88.8705, 103.2356

# Sweetspot

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



82.1014, 88.8744, 79.8464



93.7296, 99.4588, 102.5365



75.6467, 75.4488, 77.5952



19.9882, 21.2580, 21.5923



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.



82.1014, 88.8744, 79.8464



90.0579, 97.9511, 84.9657



77.9876, 86.7536, 79.6539



17.8450, 19.2777, 17.5780



36.1045, 44.7253, 6.7299



3.1933, 3.9413, 0.5924



# Inverse Universe

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



71.1793, 72.4127, 95.8182



76.0613, 76.8555, 105.4335



75.0504, 74.4084, 95.9993



15.6427, 15.9585, 20.7984



8.9725, 3.5998, 46.7600

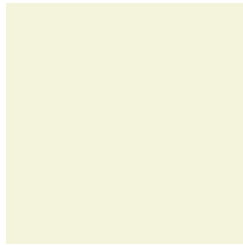


0.8099, 0.3274, 4.1107



# Previews

## White Background



This preview shows how the XYZ color 82.0990, 88.8705, 79.8445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

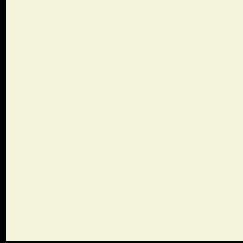
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.0990, 88.8705, 79.8445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

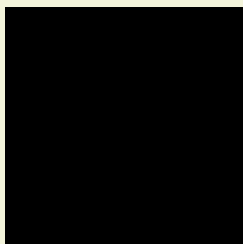
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

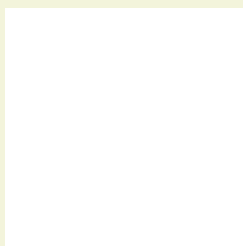
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.0990, 88.8705, 79.8445**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.0990, 88.8705, 79.8445.



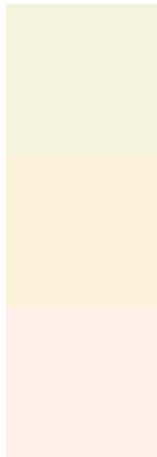
This preview shows how white text looks on a background with the XYZ color 82.0990, 88.8705,



# 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

82.0990, 88.8705, 79.8445

### Protanopia

84.2551, 88.6680, 79.0036

### Deuteranopia

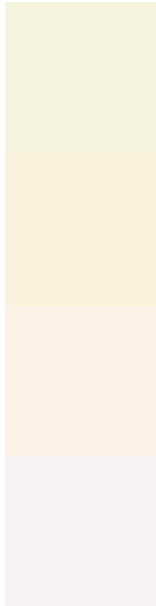
86.9578, 88.9335, 90.4246



## Tritanopia

87.6279, 88.9095, 107.1505

# Trichromacy



## Original Color

82.0990, 88.8705, 79.8445

## Protanomaly

83.4739, 88.7060, 79.0521

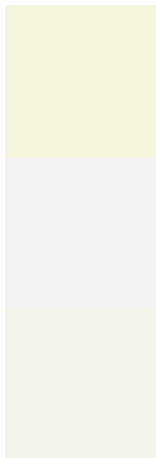
## Deuteranomaly

85.3818, 89.0770, 86.8222

## Tritanomaly

85.4883, 88.9142, 96.6608

# Monochromacy



## Original Color

82.0990, 88.8705, 79.8445

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.0781, 88.2647, 89.7489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.0990, 88.8705, 79.8445 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(243, 244, 219) looks like.

```
.text, #text, p{  
    color:rgb(243, 244, 219)  
}
```

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(243, 244, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 244, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 82.0990, 88.8705, 79.8445 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(243, 244, 219) }
```



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

```
.border{ border-color:rgb(243, 244, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 244, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 244, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 244, 219);  
box-shadow:4px 4px 4px 4px rgb(243, 244,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.0990, 88.8705, 79.8445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 244, 219) }
```

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

```
.background{ background-color: rgb(243,  
244, 219) }
```

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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