

# Converting Colors

XYZ(82.1896, 86.6098, 84.3381)

Have a look what the booklet for  
XYZ(82.1896, 86.6098, 84.3381)  
contains.

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# Color

**XYZ(82.2502, 86.6365,  
84.3390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5EFE2
RGB	245, 239, 226
RGB Percent	96%, 94%, 89%
CMY	0.0392, 0.0627, 0.1137
CMYK	0.00, 0.02, 0.08, 0.04
HSL	41°, 49%, 92%
HSV	41°, 8%, 96%
XYZ	82.2502, 86.6365, 84.3390
YIQ	239.3120, 7.7490, -2.7710

# Conversions

## Conversions Part 2

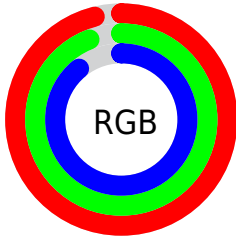
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 245, 226
Decimal	16117730
CIE Lab	94.58, -0.18, 6.99
CIE LCh	95, 6.988, 91.507
Yxy	86.6365, 0.3248, 0.3421
Android (android.graphics.Color)	4294307810 (0xFF5EFE2)
YUV	239.3120, -6.5628, 4.9884
Hunter-Lab	93.0787, -5.1540, 11.4322

# Details

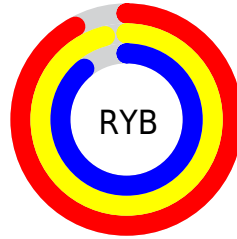
The XYZ color **82.2502, 86.6365, 84.3390** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.7020, 80.4733, 97.8775**, and the grayscale version is **82.3345, 86.6223, 94.3317**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2704, 47.6261, 45.3348** is the 20% darker color. If you saturate the color by 10%, you get **76.9113, 80.9592, 67.1413**, and if you desaturate by 10%, it is **88.1712, 92.7072, 104.1028**.

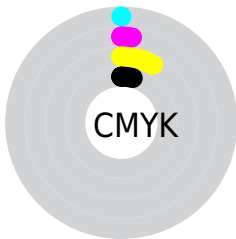
# Distribution



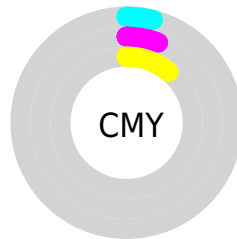
- Red (96%)
- Green (94%)
- Blue (89%)



- Red (92%)
- Yellow (96%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2502, 86.6365, 84.3390 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 82.2502, 86.6365, 84.3390 by changing the saturation by 10% instead.



82.2502, 86.6365,  
84.3390

82.2502, 86.6365,  
84.3390

491.1060,  
517.0277, 529.5257

61.8866, 65.1944,  
62.7484

135.4588,  
142.6574, 141.3152

45.1963, 47.6188,  
45.1980

169.0345,  
178.0050, 177.5379

31.8140, 33.5251,  
31.2693

207.7450,  
218.7565, 219.4750

21.3744, 22.5290,  
20.5438

251.9556,  
265.2965, 267.5451

13.5119, 14.2461,  
12.6030

302.0316,  
318.0091, 322.1666

7.8614, 8.2920,  
7.0282

358.3385,

4.0575, 4.2824,

377.2790, 383.7582

3.4010

421.2415,  
443.4904, 452.7384

■ 1.7347, 1.8327,  
1.3029

■ 0.4778, 0.5075,  
0.0641

■ 82.2502, 86.6365,  
84.3390

■ 82.2502, 86.6365,  
84.3390

■ 76.9113, 80.9592,  
67.1413

■ 88.1712, 92.7072,  
104.1028

■ 72.1258, 75.6535,  
52.3969

■ 91.2972, 97.8138,  
108.6758

■ 67.8732, 70.7120,  
39.9930

■ 91.4666, 98.1527,  
108.7323

■ 64.1288, 66.1229,  
29.8056

■ 60.8656, 61.8732,  
21.6990

■ 58.0539, 57.9492,  
15.5229

■ 55.6600, 54.3351,  
11.1061

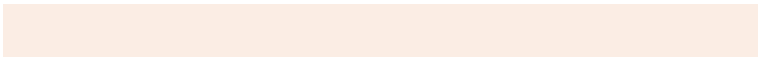
■ 53.6443, 51.0130,  
8.2475

■ 51.9542, 47.9596,  
6.6768

# Harmonies

## Analogous

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



84.0853, 86.6365, 85.5070



82.2502, 86.6365, 84.3390



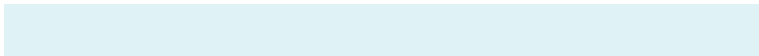
80.4672, 86.6365, 85.7627

# Triad

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



82.2502, 86.6365, 84.3390



79.2960, 86.6365, 99.8574



85.5696, 86.6365, 99.3676

# Complementary

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



82.2502, 86.6365, 84.3390



76.7020, 80.4733, 97.8775

# Split Complementary

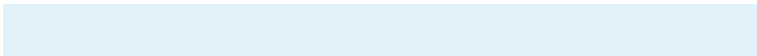
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2526, 86.6365, 103.4548



82.2502, 86.6365, 84.3390



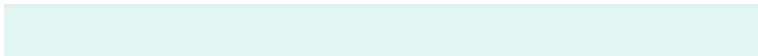
80.6297, 86.6365, 103.7451

# Square

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



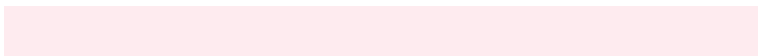
82.2502, 86.6365, 84.3390



78.7778, 86.6365, 94.6054



82.4407, 86.6365, 105.0856

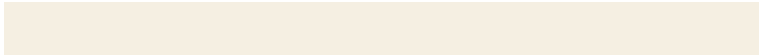


86.0192, 86.6365, 94.0599



# Rectangle

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



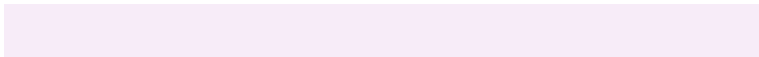
82.2502, 86.6365, 84.3390



79.5432, 86.6365, 88.0226



82.4407, 86.6365, 105.0856



85.2127, 86.6365, 100.9367

# Sweetspot

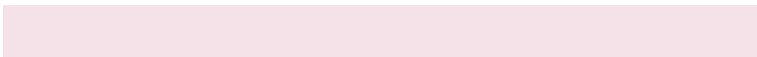
The Sweet Spot groups the original color and five complimentary colors.



82.2526, 86.6403, 84.3409



93.7284, 98.6533, 104.4623



79.4216, 79.6336, 87.5424



20.0756, 21.1301, 22.4057



0.0000, 0.0000, 0.0000

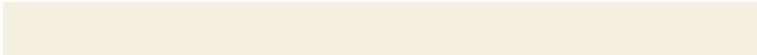


20.3446, 21.4041, 23.3091

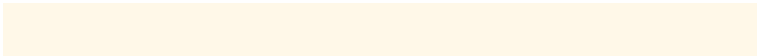


# Same Dimension

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



82.2526, 86.6403, 84.3409



89.3057, 94.0752, 89.8326



82.8332, 89.5887, 84.8794



17.4479, 18.3800, 17.4257



27.9286, 25.7428, 3.4969



2.5466, 2.4464, 0.3380

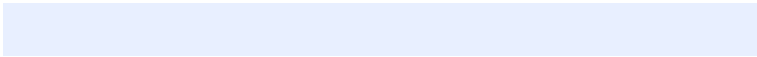


# Inverse Universe

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



76.7020, 80.4733, 97.8775



82.2970, 86.2882, 106.9255



76.1466, 77.7243, 97.3761



16.0079, 16.7800, 20.9377



10.4295, 6.6528, 47.2725

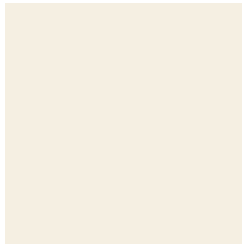


1.0050, 0.7614, 4.1842



# Previews

## White Background



This preview shows how the XYZ color 82.2502, 86.6365, 84.3390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

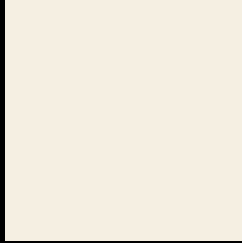
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.2502, 86.6365, 84.3390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

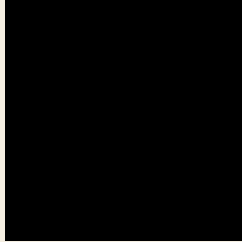
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

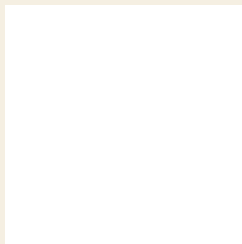
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.2502, 86.6365, 84.3390

## Background



This preview shows how black text looks on a background with the XYZ color 82.2502, 86.6365, 84.3390.



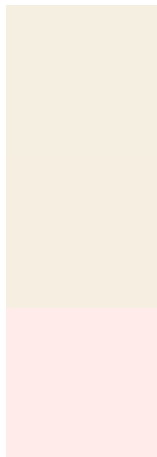
This preview shows how white text looks on a background with the XYZ color 82.2502, 86.6365,

84.3390.

# 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

82.2502, 86.6365, 84.3390

### Protanopia

82.6598, 86.4142, 84.2745

### Deuteranopia

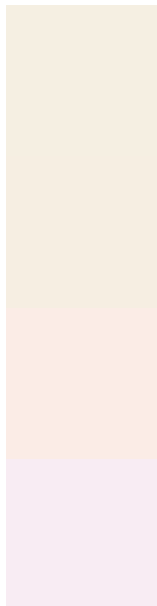
85.6563, 86.5599, 89.2839



## Tritanopia

86.5049, 86.6482, 105.0940

# Trichromacy



## Original Color

82.2502, 86.6365, 84.3390

## Protanomaly

82.3080, 86.2329, 84.2580

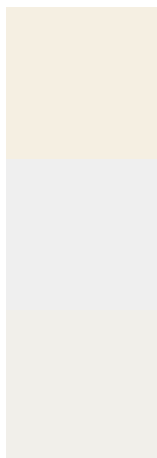
## Deuteranomaly

84.0620, 86.2133, 87.0732

## Tritanomaly

84.8845, 86.4184, 97.0005

# Monochromacy



## Original Color

82.2502, 86.6365, 84.3390

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.9934, 86.3743, 90.1923

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.2502, 86.6365, 84.3390 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(245, 239, 226) looks like.

```
.text, #text, p{  
    color:rgb(245, 239, 226)  
}
```

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(245, 239, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 239, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 82.2502, 86.6365, 84.3390 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(245, 239, 226) }
```



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

```
.border{ border-color:rgb(245, 239, 226) }
```

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

Here you see how a box with a 4 pixel rgb(245, 239, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 239, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 239, 226);  
box-shadow:4px 4px 4px 4px rgb(245, 239,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.2502, 86.6365, 84.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 239, 226) }
```

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

```
.background{ background-color: rgb(245,  
239, 226) }
```

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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