

# Converting Colors

XYZ(82.5261, 88.0847, 88.9946)

Have a look what the booklet for  
XYZ(82.5261, 88.0847, 88.9946)  
contains.

|  |    |
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# Color

**XYZ(82.5932, 88.0312,  
88.9825)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | F1F2E8                    |
| RGB         | 241, 242, 232             |
| RGB Percent | 95%, 95%, 91%             |
| CMY         | 0.0549, 0.0510, 0.0902    |
| CMYK        | 0.00, 0.00, 0.04, 0.05    |
| HSL         | 66°, 28%, 93%             |
| HSV         | 66°, 4%, 95%              |
| XYZ         | 82.5932, 88.0312, 88.9825 |
| YIQ         | 240.5610, 2.6140, -3.3220 |

# Conversions

## Conversions Part 2

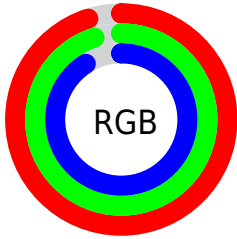
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 232, 242, 233                |
| Decimal                             | 15856360                     |
| CIE Lab                             | 95.17, -2.07, 4.69           |
| CIE LCh                             | 95, 5.127, 113.768           |
| Yxy                                 | 88.0312, 0.3181,<br>0.3391   |
| Android<br>(android.graphics.Color) | 4294046440<br>(0xFFFF1F2E8)  |
| YUV                                 | 240.5610, -4.2206,<br>0.3850 |
| Hunter-Lab                          | 93.8249, -7.0618,<br>9.4475  |

# Details

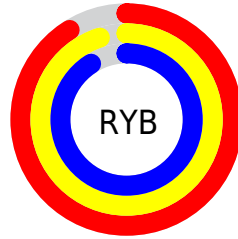
The XYZ color 82.5932, 88.0312, 88.9825 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 78.4913, 81.4500, 95.5935, and the grayscale version is 83.2969, 87.6348, 95.4343.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 45.4030, 48.5667, 48.0556 is the 20% darker color. If you saturate the color by 10%, you get 78.5666, 86.3282, 72.0684, and if you desaturate by 10%, it is 86.9150, 89.8592, 107.3714.

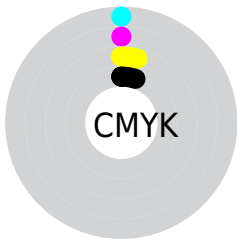
# Distribution



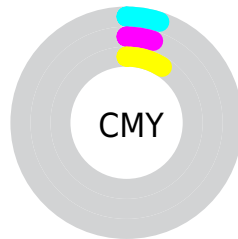
- Red (95%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (5%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5932, 88.0312, 88.9825 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 82.5932, 88.0312, 88.9825 by changing the saturation by 10% instead.



82.5932, 88.0312,  
88.9825

82.5932, 88.0312,  
88.9825

492.2342,  
521.6054, 545.1998

62.1704, 66.3489,  
66.5681

135.9370,  
144.6006, 147.8474

45.4265, 48.5557,  
48.2743

169.5888,  
180.2565, 185.1349

31.9962, 34.2672,  
33.6826

208.3809,  
221.3390, 228.2173

21.5141, 23.0989,  
22.3745

252.6787,  
268.2326, 277.5129

13.6149, 14.6666,  
13.9314

302.8476,  
321.3217, 333.4405

7.9332, 8.5857,  
7.9348

359.2529,

4.1037, 4.4720,

380.9905, 396.4185

3.9661

422.2600,  
447.6237, 466.8654

■ 1.7610, 1.9409,  
1.6067

■ 0.4940, 0.5728,  
0.2956

■ 82.5932, 88.0312,  
88.9825

■ 82.5932, 88.0312,  
88.9825

■ 78.5666, 86.3282,  
72.0684

■ 86.9150, 89.8592,  
107.3714

■ 75.0027, 84.8087,  
57.5448

■ 87.7613, 90.2955,  
107.4110

■ 71.8835, 83.4684,  
45.3055

■ 88.6187, 90.7375,  
107.4511

■ 69.1869, 82.2983,  
35.2340

■ 89.4873, 91.1853,  
107.4918

■ 66.8886, 81.2889,  
27.2035

■ 90.3671, 91.6388,  
107.5329

■ 64.9621, 80.4294,  
21.0742

■ 91.0439, 91.9877,  
107.5646

■ 63.3775, 79.7080,  
16.6887

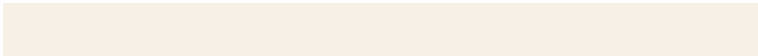
■ 62.1000, 79.1106,  
13.8643

■ 61.0872, 78.6203,  
12.3781

# Harmonies

## Analogous

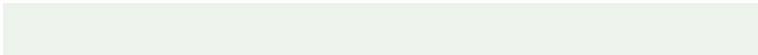
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9629, 88.0312, 88.4061



82.5932, 88.0312, 88.9825



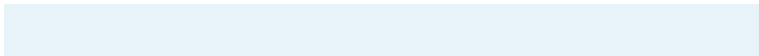
81.5232, 88.0312, 91.3762

# Triad

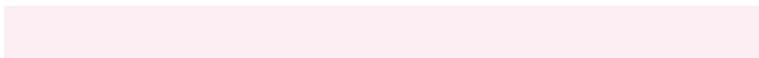
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5932, 88.0312, 88.9825



82.0936, 88.0312, 102.1904



86.3694, 88.0312, 96.6884

# Complementary

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



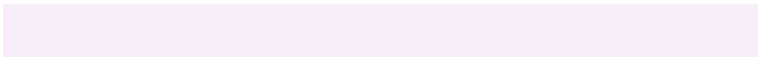
82.5932, 88.0312, 88.9825



78.4913, 81.4500, 95.5935

# Split Complementary

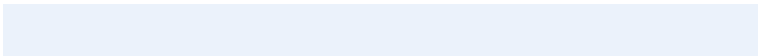
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8562, 88.0312, 100.4695



82.5932, 88.0312, 88.9825



83.3798, 88.0312, 103.7025

# Square

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



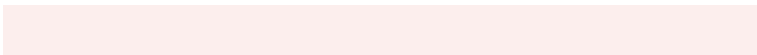
82.5932, 88.0312, 88.9825



81.2370, 88.0312, 98.9847



84.7582, 88.0312, 103.0642



86.1531, 88.0312, 92.7842

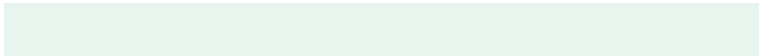


# Rectangle

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



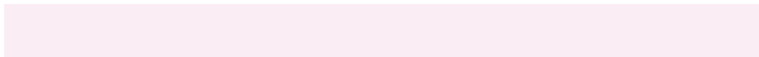
82.5932, 88.0312, 88.9825



81.1187, 88.0312, 93.7170



84.7582, 88.0312, 103.0642



86.2763, 88.0312, 98.0172

# Sweetspot

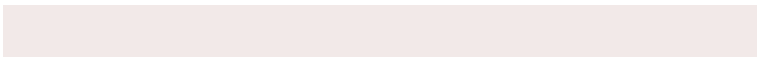
The Sweet Spot groups the original color and five complimentary colors.



82.5957, 88.0350, 88.9844



94.5480, 99.7883, 106.7476



80.3252, 82.9836, 88.1291



20.2425, 21.3610, 22.8711



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.



82.5957, 88.0350, 88.9844



92.5951, 98.9638, 98.4230



80.9128, 87.1675, 88.9057



17.2852, 18.5125, 18.1846



32.6087, 42.1320, 6.4136



2.7576, 3.5281, 0.5357



# Inverse Universe

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



78.4913, 81.4500, 95.5935



87.0220, 90.0224, 107.3972



80.1463, 82.3032, 95.6709



16.1074, 16.6228, 20.0812



8.8675, 3.5768, 45.3509

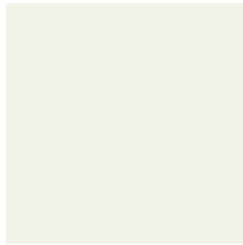


0.7868, 0.3229, 3.7751



# Previews

## White Background



This preview shows how the XYZ color 82.5932, 88.0312, 88.9825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

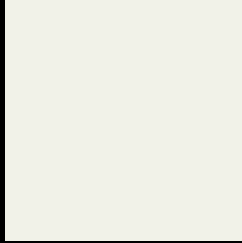
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.5932, 88.0312, 88.9825 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

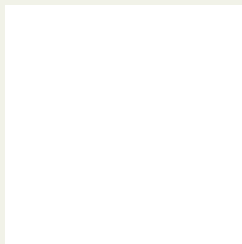
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.5932, 88.0312, 88.9825

## Background



This preview shows how black text looks on a background with the XYZ color 82.5932, 88.0312, 88.9825.



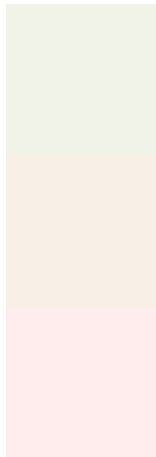
This preview shows how white text looks on a background with the XYZ color 82.5932, 88.0312,

88.9825.

# 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

82.5932, 88.0312, 88.9825

### Protanopia

84.2953, 88.0462, 88.1531

### Deuteranopia

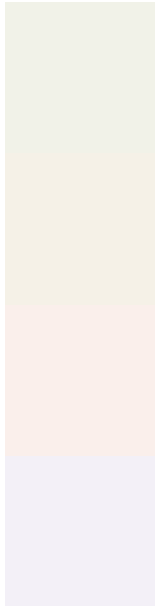
86.8102, 87.9428, 92.5200



## Tritanopia

86.2247, 88.1861, 107.0848

# Trichromacy



## Original Color

82.5932, 88.0312, 88.9825

## Protanomaly

83.5353, 88.0926, 88.2021

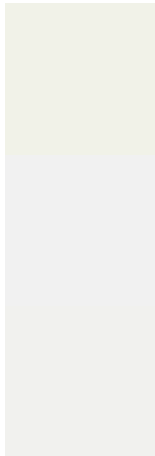
## Deuteranomaly

85.2862, 88.0552, 91.0985

## Tritanomaly

84.9107, 88.0903, 100.5235

# Monochromacy



## Original Color

82.5932, 88.0312, 88.9825

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.1635, 87.7844, 93.4498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.5932, 88.0312, 88.9825 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(241, 242, 232) looks like.

```
.text, #text, p{  
    color:rgb(241, 242, 232)  
}
```

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(241, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 242, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 82.5932, 88.0312, 88.9825 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(241, 242, 232) }
```



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

```
.border{ border-color:rgb(241, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(241, 242,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.5932, 88.0312, 88.9825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 242, 232) }
```

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

```
.background{ background-color: rgb(241,  
242, 232) }
```

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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