

# Converting Colors

XYZ(85.9981, 88.9412, 96.3192)

Have a look what the booklet for  
XYZ(85.9981, 88.9412, 96.3192)  
contains.

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# Color

**XYZ(85.8985, 88.6874,  
96.5955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F0F2
RGB	248, 240, 242
RGB Percent	97%, 94%, 95%
CMY	0.0274, 0.0588, 0.0510
CMYK	0.00, 0.03, 0.02, 0.03
HSL	345°, 36%, 96%
HSV	345°, 3%, 97%
XYZ	85.8985, 88.6874, 96.5955
YIQ	242.6200, 4.1260, 2.3180

# Conversions

## Conversions Part 2

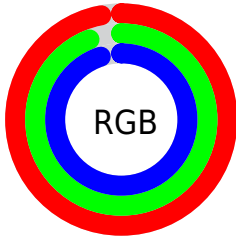
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 240, 242
Decimal	16314610
CIE <sub>Lab</sub>	95.45, 3.03, -0.02
CIE <sub>LCh</sub>	95, 3.028, 359.623
Yxy	88.6874, 0.3168, 0.3270
Android (android.graphics.Color)	4294504690 (0xFF8F0F2)
YUV	242.6200, -0.3057, 4.7183
Hunter-Lab	94.1740, -1.9901, 5.1073

# Details

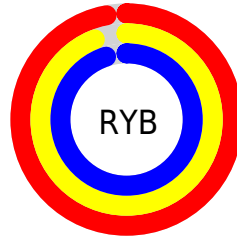
The XYZ color **85.8985, 88.6874, 96.5955** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.1404, 92.3162, 100.4720**, and the grayscale version is **84.8917, 89.3126, 97.2615**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7416, 49.0326, 53.4024** is the 20% darker color. If you saturate the color by 10%, you get **76.4370, 74.0113, 80.3467**, and if you desaturate by 10%, it is **92.5219, 98.6967, 108.7817**.

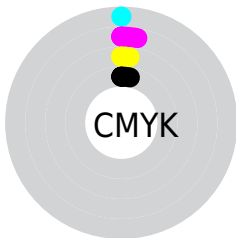
# Distribution



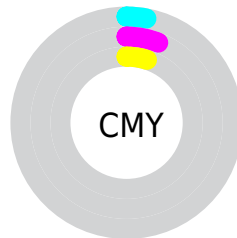
- Red (97%)
- Green (94%)
- Blue (95%)



- Red (97%)
- Yellow (94%)
- Blue (95%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (3%)




- Cyan (3%)
- Magenta (6%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8985, 88.6874, 96.5955 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 85.8985, 88.6874, 96.5955 by changing the saturation by 10% instead.




 85.8985, 88.6874,  
96.5955

 85.8985, 88.6874,  
96.5955


503.0355,  
523.7517, 570.3746

 64.9090, 66.8925,  
72.8594


140.5354,  
145.5138, 158.4815

 47.6517, 48.9973,  
53.3699


174.9135,  
181.3141, 197.4685

 33.7613, 34.6173,  
37.7084


214.4853,  
222.5516, 242.3762

 22.8723, 23.3682,  
25.4564

259.6160,  
269.6107, 293.6232

 14.6194, 14.8656,  
16.1953

310.6710,  
322.8759, 351.6280

 8.6373, 8.7251,  
9.5066

368.0157,

 4.5606, 4.5623,

382.7316, 416.8091

4.9718

432.0154,  
449.5620, 489.5851

■ 2.0239, 1.9928,  
2.1723

■ 0.6473, 0.6033,  
0.6583

■ 85.8985, 88.6874,  
96.5955

■ 85.8985, 88.6874,  
96.5955

■ 76.4370, 74.0113,  
80.3467

■ 92.5219, 98.6967,  
108.7817

■ 68.2066, 61.3569,  
65.8685

■ 61.1579, 50.6385,  
53.1020

■ 55.2355, 41.7600,  
41.9825

■ 50.3791, 34.6172,  
32.4414

■ 46.5231, 29.0950,  
24.4047

■ 43.5938, 25.0646,  
17.7926

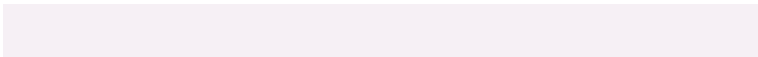
■ 41.5074, 22.3773,  
12.5169

■ 40.1629, 20.8530,  
8.4785

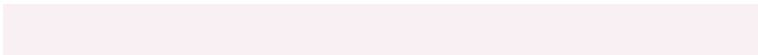
# Harmonies

## Analogous

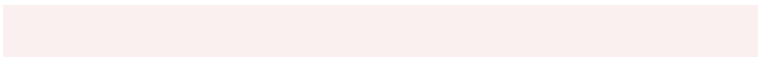
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6772, 88.6874, 98.8921



85.8985, 88.6874, 96.5955



85.6878, 88.6874, 94.3269

# Triad

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



85.8985, 88.6874, 96.5955



83.5094, 88.6874, 92.6518



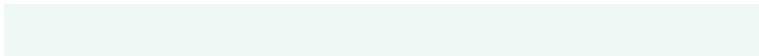
83.4913, 88.6874, 100.5571

# Complementary

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



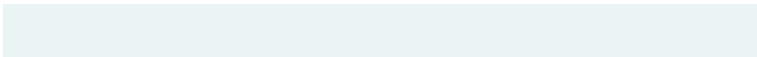
85.8985, 88.6874, 96.5955



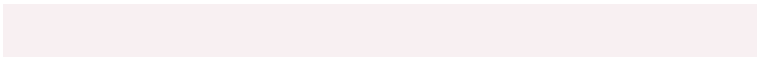
86.1404, 92.3162, 100.4720

# Split Complementary

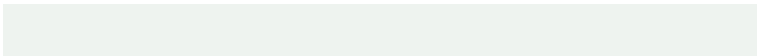
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9168, 88.6874, 98.8393



85.8985, 88.6874, 96.5955



82.9272, 88.6874, 94.2757

# Square

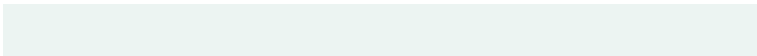
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



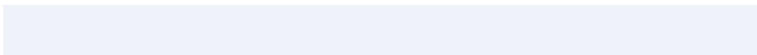
85.8985, 88.6874, 96.5955



84.3052, 88.6874, 92.0727



82.7110, 88.6874, 96.5355

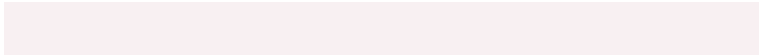


84.2842, 88.6874, 101.2021

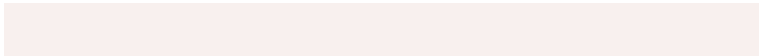


# Rectangle

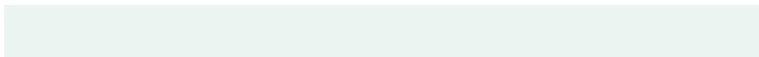
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8985, 88.6874, 96.5955



85.3314, 88.6874, 93.1299



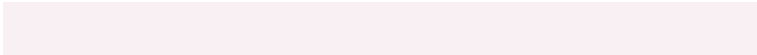
82.7110, 88.6874, 96.5355



83.2665, 88.6874, 100.0846

# Sweetspot

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



85.9010, 88.6912, 96.5974



93.9353, 98.2612, 107.0162



86.1123, 88.6943, 101.3893



20.1178, 21.0503, 22.9257



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.



85.9010, 88.6912, 96.5974



90.6739, 93.1807, 101.4827



86.1945, 89.7554, 95.2242



18.4177, 18.8416, 20.5189



21.4271, 10.9866, 3.6917

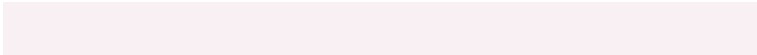


2.0250, 1.0337, 0.5552

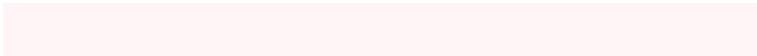


# Inverse Universe

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



85.9010, 88.6912, 96.5974



90.6739, 93.1807, 101.4827



85.8372, 91.2168, 101.8907



18.4177, 18.8416, 20.5189



21.4271, 10.9866, 3.6917

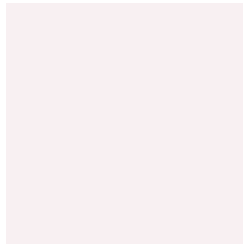


2.0250, 1.0337, 0.5552



# Previews

## White Background



This preview shows how the XYZ color 85.8985, 88.6874, 96.5955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

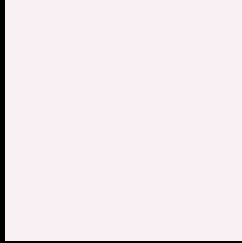
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.8985, 88.6874, 96.5955 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

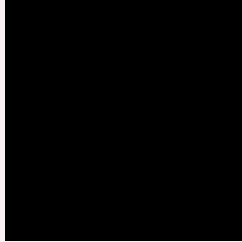
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

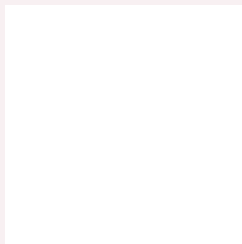
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.8985, 88.6874, 96.5955**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.8985, 88.6874, 96.5955.



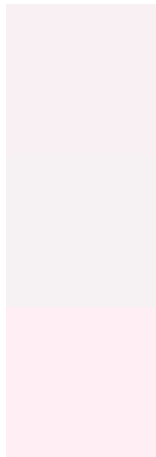
This preview shows how white text looks on a background with the XYZ color 85.8985, 88.6874,

96.5955.

# 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

85.8985, 88.6874, 96.5955

### Protanopia

85.4883, 88.9142, 96.6608

### Deuteranopia

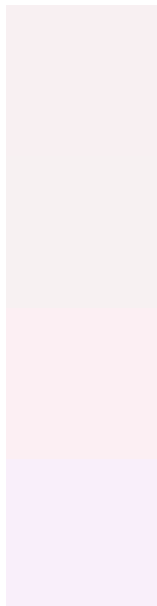
87.9922, 88.8801, 97.3119



## Tritanopia

87.6915, 88.5088, 107.0698

# Trichromacy



## Original Color

85.8985, 88.6874, 96.5955

## Protanomaly

85.8401, 89.0956, 96.6773

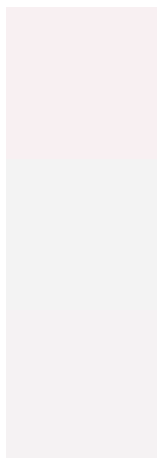
## Deuteranomaly

87.1890, 88.8995, 97.3580

## Tritanomaly

87.1887, 88.7749, 102.9824

# Monochromacy



## Original Color

85.8985, 88.6874, 96.5955

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.5860, 89.3878, 97.5367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.8985, 88.6874, 96.5955 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(248, 240, 242) looks like.

```
.text, #text, p{  
    color:rgb(248, 240, 242)  
}
```

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(248, 240, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 240, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 85.8985, 88.6874, 96.5955 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(248, 240, 242) }
```



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

```
.border{ border-color:rgb(248, 240, 242) }
```

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

Here you see how a box with a 4 pixel rgb(248, 240, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 240, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 240, 242);  
box-shadow:4px 4px 4px 4px rgb(248, 240,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.8985, 88.6874, 96.5955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 240, 242) }
```

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

```
.background{ background-color: rgb(248,  
240, 242) }
```

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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