

# Converting Colors

XYZ(85.2856, 89.1345, 92.3482)

Have a look what the booklet for  
XYZ(85.2856, 89.1345, 92.3482)  
contains.

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# **Color**

**XYZ(85.2502, 89.3345,  
92.1070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F2EC
RGB	247, 242, 236
RGB Percent	97%, 95%, 93%
CMY	0.0314, 0.0510, 0.0745
CMYK	0.00, 0.02, 0.04, 0.03
HSL	33°, 41%, 95%
HSV	33°, 4%, 97%
XYZ	85.2502, 89.3345, 92.1070
YIQ	242.8110, 4.9060, -0.8060

# Conversions

## Conversions Part 2

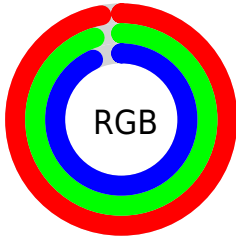
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 247, 236
Decimal	16249580
CIE Lab	95.72, 0.64, 3.47
CIE LCh	96, 3.529, 79.507
Yxy	89.3345, 0.3197, 0.3350
Android (android.graphics.Color)	4294439660 (0xFFFF7F2EC)
YUV	242.8110, -3.3578, 3.6738
Hunter-Lab	94.5169, -4.4053, 8.3836

# Details

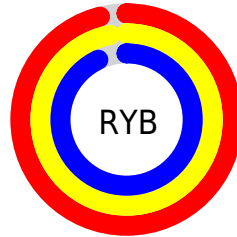
The XYZ color **85.2502, 89.3345, 92.1070** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8358, 87.4576, 100.5119**, and the grayscale version is **85.0664, 89.4965, 97.4617**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2830, 49.4895, 50.2404** is the 20% darker color. If you saturate the color by 10%, you get **78.6706, 81.5260, 73.4161**, and if you desaturate by 10%, it is **91.6041, 97.3862, 108.5771**.

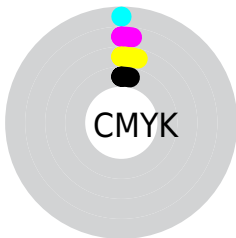
# Distribution



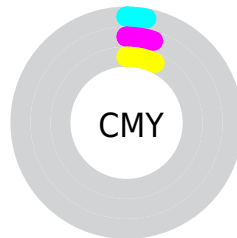
- Red (97%)
- Green (95%)
- Blue (93%)



- Red (96%)
- Yellow (97%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2502, 89.3345, 92.1070 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 85.2502, 89.3345, 92.1070 by changing the saturation by 10% instead.



85.2502, 89.3345,  
92.1070

85.2502, 89.3345,  
92.1070

500.9268,  
525.8636, 555.6072

64.3713, 67.4288,  
69.1460

139.6349,  
146.4136, 152.2227

47.2143, 49.4332,  
50.3581

173.8715,  
182.3559, 190.2144

33.4137, 34.9632,  
35.3249

213.2913,  
223.7458, 234.0534

22.6043, 23.6346,  
23.6277

258.2597,  
270.9677, 284.1583

14.4207, 15.0628,  
14.8480

309.1421,  
324.4060, 340.9476

8.4975, 8.8634,  
8.5674

366.3039,

4.4694, 4.6522,

384.4452, 404.8398

4.3671

430.1103,  
451.4696, 476.2535

■ 1.9710, 2.0447,  
1.8288

■ 0.6176, 0.6332,  
0.4469

■ 85.2502, 89.3345,  
92.1070

■ 85.2502, 89.3345,  
92.1070

■ 78.6706, 81.5260,  
73.4161

■ 91.6041, 97.3862,  
108.5771

■ 72.7659, 74.3065,  
57.2977

■ 92.1683, 98.5144,  
108.7651

■ 67.5131, 67.6636,  
43.6385

■ 62.8850, 61.5803,  
32.3144

■ 58.8524, 56.0385,  
23.1906

■ 55.3831, 51.0190,  
16.1180

■ 52.4413, 46.5004,  
10.9289

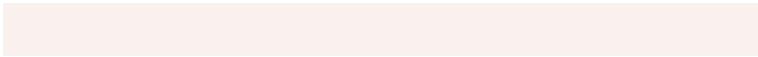
■ 49.9858, 42.4594,  
7.4287

■ 47.9673, 38.8689,  
5.3792

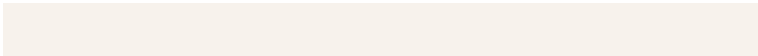
# Harmonies

## Analogous

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



86.1278, 89.3345, 93.2604



85.2502, 89.3345, 92.1070



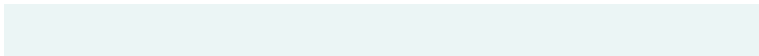
84.2879, 89.3345, 92.3169

# Triad

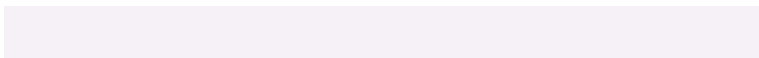
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2502, 89.3345, 92.1070



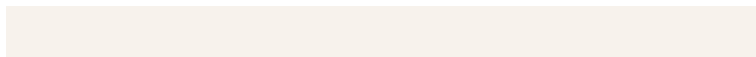
83.1622, 89.3345, 99.0664



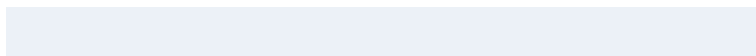
86.3374, 89.3345, 100.7834

# Complementary

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



85.2502, 89.3345, 92.1070



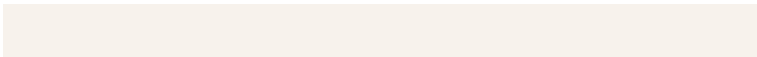
82.8358, 87.4576, 100.5119

# Split Complementary

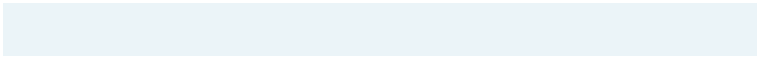
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5347, 89.3345, 102.3974



85.2502, 89.3345, 92.1070



83.7033, 89.3345, 101.3931

# Square

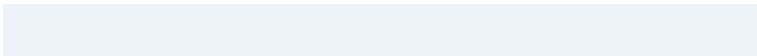
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



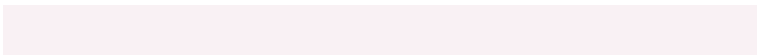
85.2502, 89.3345, 92.1070



83.0873, 89.3345, 96.2996



84.5702, 89.3345, 102.6226

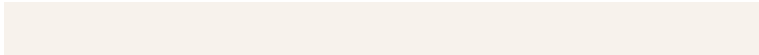


86.7587, 89.3345, 98.2470



# Rectangle

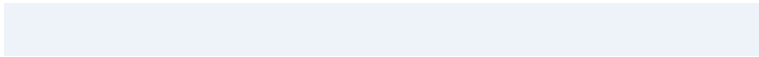
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



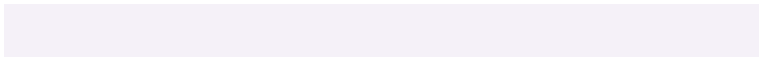
85.2502, 89.3345, 92.1070



83.7276, 89.3345, 93.2030



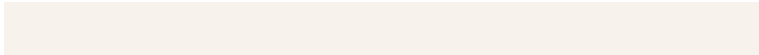
84.5702, 89.3345, 102.6226



86.1030, 89.3345, 101.4538

# Sweetspot

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



85.2527, 89.3384, 92.1089



94.2738, 99.1002, 106.6293



84.2516, 86.1252, 95.5081



20.1867, 21.2210, 22.8470



0.0000, 0.0000, 0.0000

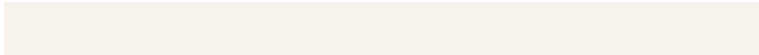


20.3446, 21.4041, 23.3091

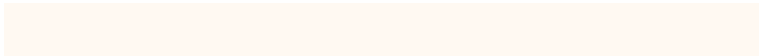


# Same Dimension

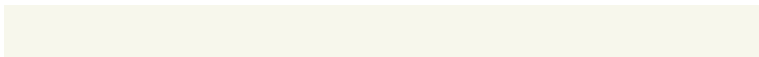
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2527, 89.3384, 92.1089



91.2451, 95.5668, 97.8385



86.6308, 92.2864, 92.6053



17.7851, 18.6150, 18.8922



24.9992, 19.8840, 2.5204

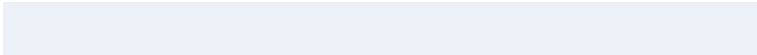


2.2998, 1.9529, 0.2557

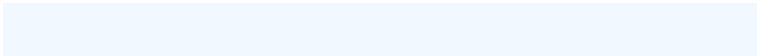


# Inverse Universe

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



82.8358, 87.4576, 100.5119



88.3337, 93.3012, 107.9610



81.4992, 84.6034, 100.0314



17.1399, 18.1129, 21.1353



12.0913, 9.9765, 47.8264

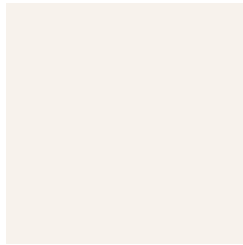


1.1640, 1.0794, 4.2372



# Previews

## White Background



This preview shows how the XYZ color 85.2502, 89.3345, 92.1070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

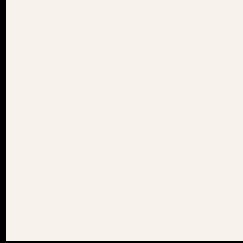
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.2502, 89.3345, 92.1070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

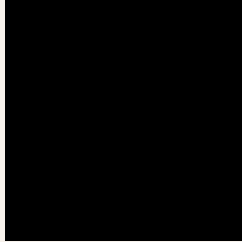
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

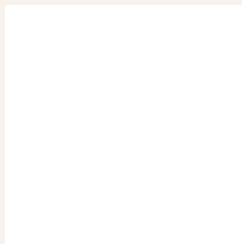
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.2502, 89.3345, 92.1070

## Background



This preview shows how black text looks on a background with the XYZ color 85.2502, 89.3345, 92.1070.



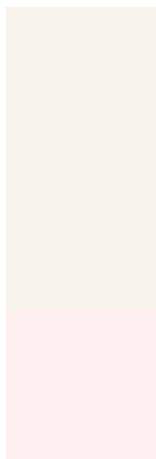
This preview shows how white text looks on a background with the XYZ color 85.2502, 89.3345,

92.170.

# 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

85.2502, 89.3345, 92.1070

### Protanopia

85.6039, 89.5168, 92.1236

### Deuteranopia

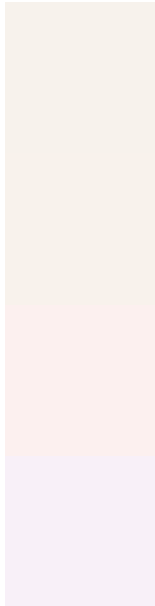
87.8347, 89.2843, 95.0423



## Tritanopia

87.9834, 89.0927, 107.1671

# Trichromacy



## Original Color

85.2502, 89.3345, 92.1070

## Protanomaly

85.6039, 89.5168, 92.1236

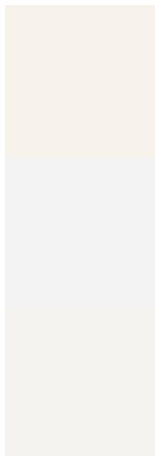
## Deuteranomaly

86.8850, 89.2476, 94.3085

## Tritanomaly

86.8148, 89.0539, 101.4204

# Monochromacy



## Original Color

85.2502, 89.3345, 92.1070

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.0870, 89.6256, 95.2530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.2502, 89.3345, 92.1070 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(247, 242, 236) looks like.

```
.text, #text, p{  
    color:rgb(247, 242, 236)  
}
```

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(247, 242, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 242, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 85.2502, 89.3345, 92.1070 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(247, 242, 236) }
```



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

```
.border{ border-color:rgb(247, 242, 236) }
```

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

Here you see how a box with a 4 pixel rgb(247, 242, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(247, 242,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.2502, 89.3345, 92.1070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 242, 236) }
```

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

```
.background{ background-color: rgb(247,  
242, 236) }
```

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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