

Converting Colors

XYZ(85.1139, 90.0337, 78.6107)

Have a look what the booklet for
XYZ(85.1139, 90.0337, 78.6107)
contains.

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Color

**XYZ(85.0830, 89.9936,
78.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	FDF3D9
RGB	253, 243, 217
RGB Percent	99%, 95%, 85%
CMY	0.0078, 0.0470, 0.1490
CMYK	0.00, 0.04, 0.14, 0.01
HSL	43°, 90%, 92%
HSV	43°, 14%, 99%
XYZ	85.0830, 89.9936, 78.5318
YIQ	243.0260, 14.3060, -5.9660

Conversions

Conversions Part 2

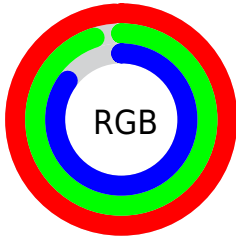
Format	Color
R _Y B	231, 253, 217
Decimal	16643033
CIE Lab	95.99, -0.85, 13.73
CIE LCh	96, 13.760, 93.559
Yxy	89.9936, 0.3355, 0.3549
Android (android.graphics.Color)	4294833113 (0xFFFD3D9)
YUV	243.0260, -12.8308, 8.7472
Hunter-Lab	94.8650, -5.9196, 17.3236

Details

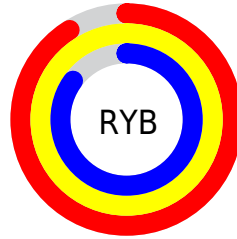
The XYZ color **85.0830, 89.9936, 78.5318** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.8137, 76.7802, 103.8589**, and the grayscale version is **85.3051, 89.7476, 97.7352**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0569, 49.8850, 41.3310** is the 20% darker color. If you saturate the color by 10%, you get **79.9800, 84.6559, 61.8209**, and if you desaturate by 10%, it is **90.7758, 95.7019, 97.9303**.

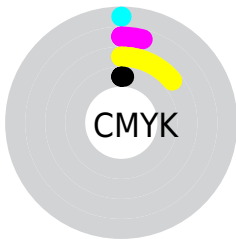
Distribution



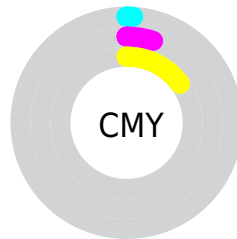
- Red (99%)
- Green (95%)
- Blue (85%)



- Red (91%)
- Yellow (99%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (14%)
- Black (1%)





- Cyan (1%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0830, 89.9936, 78.5318 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 85.0830, 89.9936, 78.5318 by changing the saturation by 10% instead.


 85.0830, 89.9936,
78.5318

 85.0830, 89.9936,
78.5318


500.3822,
528.0100, 509.5467

 64.2327, 67.9753,
57.9919


139.4026,
147.3295, 133.0922

 47.1015, 49.8777,
41.3875


173.6025,
183.4159, 167.9498

 33.3242, 35.3162,
28.3000

212.9831,
224.9605, 208.4170

 22.5354, 23.9066,
18.3109

257.9096,
272.3477, 254.9124

 14.3696, 15.2643,
11.0017

308.7474,
325.9619, 307.8546

 8.4616, 9.0051,
5.9538

365.8619,

 4.4460, 4.7445,

386.1874, 367.6620

2.7487

429.6183,
453.4086, 434.7532

■ 1.9574, 2.0981,
0.9678

■ 0.6099, 0.6636,
0.0000

■ 85.0830, 89.9936,
78.5318

■ 85.0830, 89.9936,
78.5318

■ 79.9800, 84.6559,
61.8209

■ 90.7758, 95.7019,
97.9303

■ 75.4358, 79.6660,
47.6711

■ 94.3183, 99.6228,
108.8658

■ 71.4272, 75.0161,
35.9539

■ 67.9265, 70.6938,
26.5277

■ 64.9031, 66.6852,
19.2359

■ 62.3225, 62.9752,
13.9023

■ 60.1451, 59.5462,
10.3223

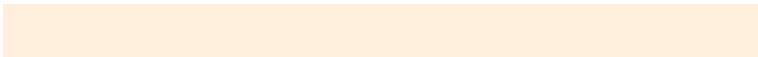
■ 58.3223, 56.3772,
8.2451

■ 57.3920, 54.6502,
7.5237

Harmonies

Analogous

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



88.8347, 89.9936, 80.4023



85.0830, 89.9936, 78.5318



81.5562, 89.9936, 81.5474

Triad

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



85.0830, 89.9936, 78.5318



79.5846, 89.9936, 110.0298



92.2541, 89.9936, 107.6146

Complementary

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



85.0830, 89.9936, 78.5318



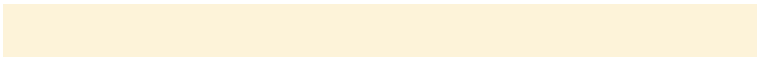
73.8137, 76.7802, 103.8589

Split Complementary

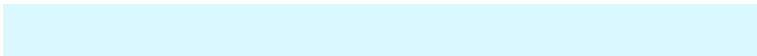
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6436, 89.9936, 116.5013



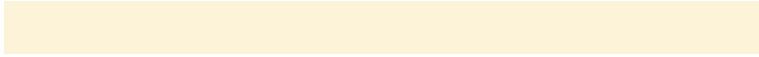
85.0830, 89.9936, 78.5318



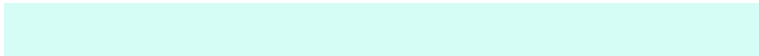
82.3204, 89.9936, 117.9667

Square

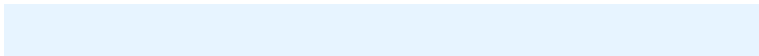
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0830, 89.9936, 78.5318



78.4416, 89.9936, 99.2938



85.9910, 89.9936, 120.4177



93.0462, 89.9936, 96.6932

Rectangle

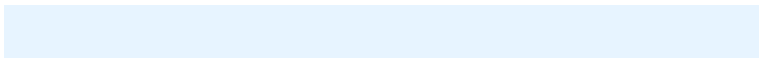
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0830, 89.9936, 78.5318



79.7859, 89.9936, 86.0639



85.9910, 89.9936, 120.4177



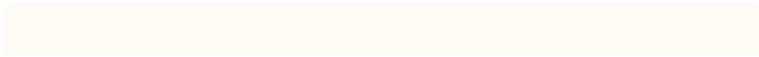
91.5564, 89.9936, 110.9650

Sweetspot

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



85.0854, 89.9976, 78.5337



92.5541, 97.5668, 100.1804



79.2147, 76.0667, 83.3263



19.7123, 20.7868, 21.1027



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

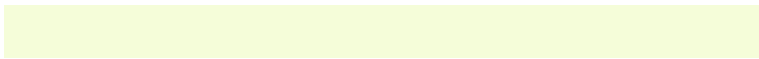
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0854, 89.9976, 78.5337



85.1195, 90.0757, 74.9562



85.3766, 94.7097, 79.4279



19.1099, 20.1879, 19.0338



30.6591, 29.3294, 4.0452



3.0771, 3.0396, 0.4245

Inverse Universe

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



73.8137, 76.7802, 103.8589



71.6718, 74.3075, 105.1730



73.5326, 72.6943, 103.0851



17.4135, 18.1985, 22.8448



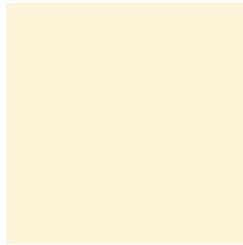
10.7091, 6.3278, 50.0915



1.1298, 0.7903, 4.9063

Previews

White Background



This preview shows how the XYZ color 85.0830, 89.9936, 78.5318 looks on a white background.

Color Contrast Check

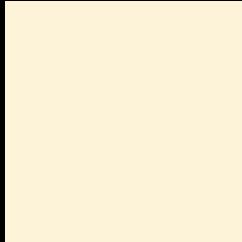
Large Text (above 18pt) WCAG AA × Fail

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 85.0830, 89.9936, 78.5318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

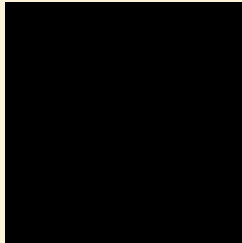
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.0830, 89.9936, 78.5318

Background



This preview shows how black text looks on a background with the XYZ color 85.0830, 89.9936, 78.5318.

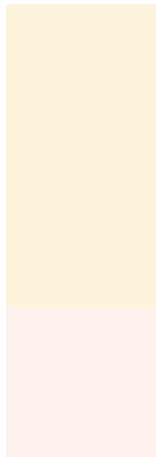


This preview shows how white text looks on a background with the XYZ color 85.0830, 89.9936,

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

85.0830, 89.9936, 78.5318

Protanopia

85.4480, 90.1818, 78.5489

Deuteranopia

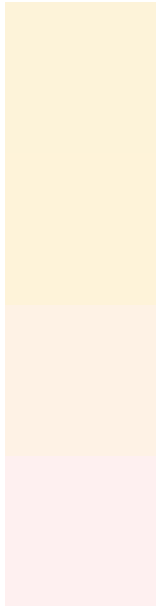
87.8356, 90.2267, 92.1429



Tritanopia

89.8361, 90.0849, 105.5817

Trichromacy



Original Color

85.0830, 89.9936, 78.5318

Protanomaly

85.4480, 90.1818, 78.5489

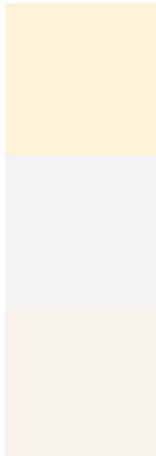
Deuteranomaly

86.7680, 90.2322, 86.9721

Tritanomaly

87.7613, 89.6823, 95.1230

Monochromacy



Original Color

85.0830, 89.9936, 78.5318

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.2596, 89.8159, 90.6844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0830, 89.9936, 78.5318 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(253, 243, 217) looks like.

```
.text, #text, p{  
    color:rgb(253, 243, 217)  
}
```

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(253, 243, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 243, 217) }
```

Border

The CSS property to change the border of an element to XYZ 85.0830, 89.9936, 78.5318 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(253, 243, 217) }
```


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

```
.border{ border-color:rgb(253, 243, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 243, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 243, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 243, 217);  
box-shadow:4px 4px 4px 4px rgb(253, 243,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0830, 89.9936, 78.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 243, 217) }
```

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

```
.background{ background-color: rgb(253,  
243, 217) }
```

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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