

Converting Colors

XYZ(85.8286, 89.6628, 87.2009)

Have a look what the booklet for
XYZ(85.8286, 89.6628, 87.2009)
contains.

XYZ(85.6786, 89.6706, 86.9212)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.6786, 89.6706,
86.9212)**

Conversions

Conversions Part 1

Format	Color
Hex	FBF2E5
RGB	251, 242, 229
RGB Percent	98%, 95%, 90%
CMY	0.0157, 0.0510, 0.1020
CMYK	0.00, 0.04, 0.09, 0.02
HSL	35°, 73%, 94%
HSV	35°, 9%, 98%
XYZ	85.6786, 89.6706, 86.9212
YIQ	243.2090, 9.5370, -2.1350

Conversions

Conversions Part 2

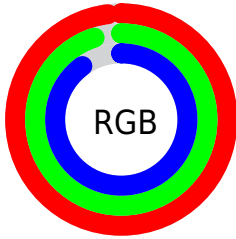
Format	Color
R _Y B	244, 251, 229
Decimal	16511717
CIE Lab	95.86, 0.85, 7.33
CIE LCh	96, 7.379, 83.417
Yxy	89.6706, 0.3267, 0.3419
Android (android.graphics.Color)	4294701797 (0xFFFBF2E5)
YUV	243.2090, -7.0050, 6.8327
Hunter-Lab	94.6946, -4.2106, 11.8632

Details

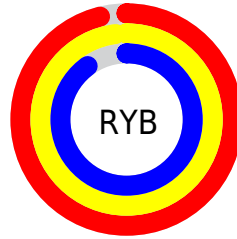
The XYZ color **85.6786, 89.6706, 86.9212** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3000, 84.7706, 103.3977**, and the grayscale version is **85.4086, 89.8565, 97.8537**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4470, 49.6431, 47.1258** is the 20% darker color. If you saturate the color by 10%, you get **79.4557, 82.4331, 68.7884**, and if you desaturate by 10%, it is **92.5847, 97.4615, 107.7838**.

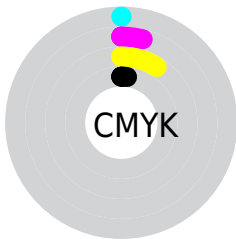
Distribution



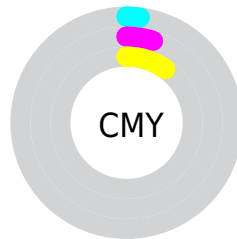
- Red (98%)
- Green (95%)
- Blue (90%)



- Red (96%)
- Yellow (98%)
- Blue (90%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (2%)





- Cyan (2%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.6786, 89.6706, 86.9212 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 85.6786, 89.6706, 86.9212 by changing the saturation by 10% instead.


 85.6786, 89.6706,
86.9212

 85.6786, 89.6706,
86.9212


502.3208,
526.9587, 538.2734

 64.7266, 67.7075,
64.8707


140.2300,
146.8808, 144.9522

 47.5033, 49.6598,
46.9056


174.5602,
182.8966, 181.7698

 33.6433, 35.1432,
32.6072


214.0805,
224.3654, 224.3469

 22.7813, 23.7732,
21.5571

259.1562,
271.6717, 273.1020

 14.5519, 15.1654,
13.3366

310.1527,
325.1997, 328.4537

 8.5898, 8.9356,
7.5273

367.4354,

 4.5296, 4.6992,

385.3340, 390.8204

3.7106

431.3696,
452.4589, 460.6208

■ 2.0059, 2.0719,
1.4680

■ 0.6373, 0.6487,
0.1939

■ 85.6786, 89.6706,
86.9212

■ 85.6786, 89.6706,
86.9212

■ 79.4557, 82.4331,
68.7884

■ 92.5847, 97.4615,
107.7838

■ 73.8841, 75.7230,
53.2646

■ 93.5940, 99.2494,
108.8319

■ 68.9403, 69.5292,
40.2286

■ 64.5961, 63.8359,
29.5472

■ 60.8211, 58.6261,
21.0746

■ 57.5816, 53.8812,
14.6486

■ 54.8394, 49.5810,
10.0843

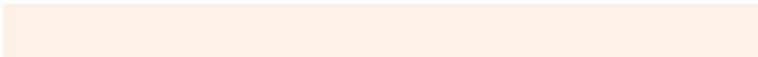
■ 52.5501, 45.7022,
7.1630

■ 50.6500, 42.2143,
5.5677

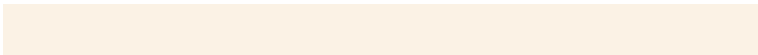
Harmonies

Analogous

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



87.5826, 89.6706, 88.9109



85.6786, 89.6706, 86.9212



83.6836, 89.6706, 87.7094

Triad

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



85.6786, 89.6706, 86.9212



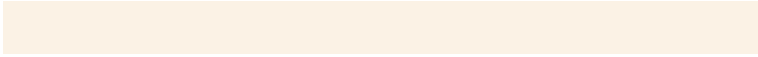
81.6887, 89.6706, 102.1578



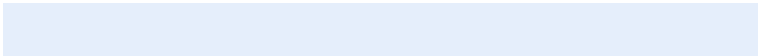
88.4101, 89.6706, 104.4684

Complementary

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



85.6786, 89.6706, 86.9212



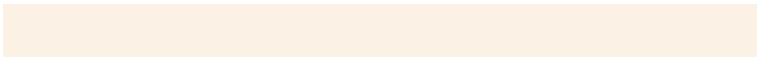
80.3000, 84.7706, 103.3977

Split Complementary

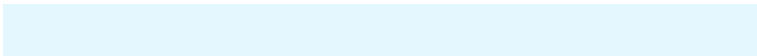
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7938, 89.6706, 108.2848



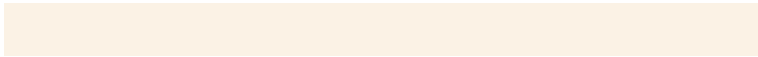
85.6786, 89.6706, 86.9212



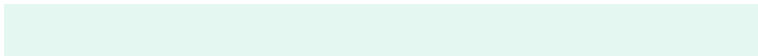
82.9183, 89.6706, 106.9141

Square

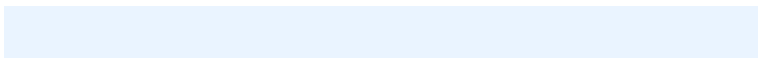
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6786, 89.6706, 86.9212



81.4008, 89.6706, 96.3569



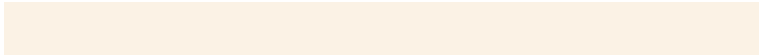
84.7814, 89.6706, 109.1971



89.1758, 89.6706, 98.9264

Rectangle

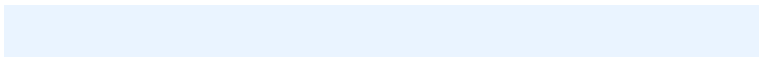
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6786, 89.6706, 86.9212



82.5680, 89.6706, 89.7201



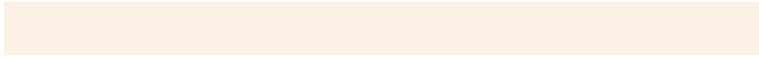
84.7814, 89.6706, 109.1971



87.9470, 89.6706, 106.0044

Sweetspot

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



85.6811, 89.6745, 86.9231



92.8528, 97.5375, 102.2119



83.2612, 82.7320, 92.5991



19.7510, 20.7381, 21.5044



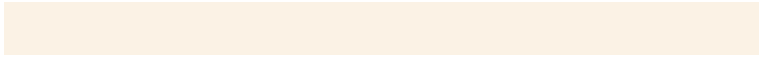
0.0000, 0.0000, 0.0000



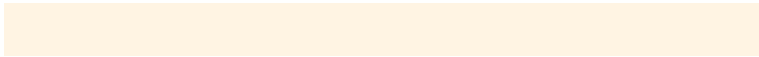
20.3446, 21.4041, 23.3091

Same Dimension

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



85.6811, 89.6745, 86.9231



87.3080, 91.2228, 85.6430



87.7674, 94.8228, 87.8069



18.0976, 18.9310, 18.1626



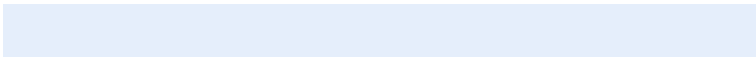
26.6560, 22.2686, 2.8934



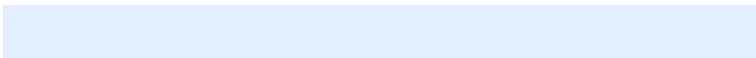
2.5730, 2.2709, 0.3027

Inverse Universe

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



80.3000, 84.7706, 103.3977



80.4095, 84.9361, 106.7640



78.3344, 79.9662, 102.5740



16.8658, 17.8085, 21.9337



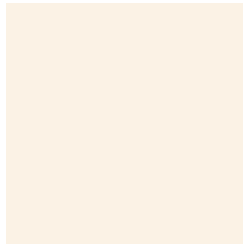
11.8175, 8.9906, 49.0861



1.1958, 1.0353, 4.5800

Previews

White Background



This preview shows how the XYZ color 85.6786, 89.6706, 86.9212 looks on a white background.

Color Contrast Check

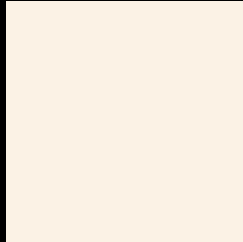
Large Text (above 18pt) WCAG AA × Fail

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 85.6786, 89.6706, 86.9212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

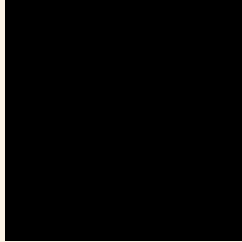
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.6786, 89.6706, 86.9212

Background



This preview shows how black text looks on a background with the XYZ color 85.6786, 89.6706, 86.9212.



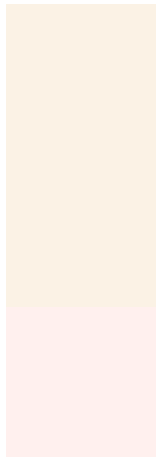
This preview shows how white text looks on a background with the XYZ color 85.6786, 89.6706,

86.9212.

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

85.6786, 89.6706, 86.9212

Protanopia

85.6786, 89.6706, 86.9212

Deuteranopia

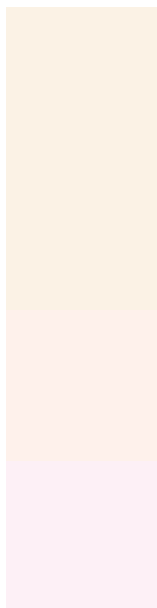
87.8327, 89.7532, 93.5837



Tritanopia

89.7896, 90.0238, 107.2517

Trichromacy



Original Color

85.6786, 89.6706, 86.9212

Protanomaly

85.6786, 89.6706, 86.9212

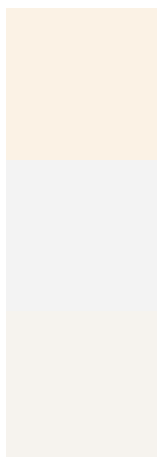
Deuteranomaly

87.3237, 89.9796, 91.3626

Tritanomaly

88.3027, 89.8566, 99.8788

Monochromacy



Original Color

85.6786, 89.6706, 86.9212

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.4892, 89.8671, 93.7292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6786, 89.6706, 86.9212 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(251, 242, 229) looks like.

```
.text, #text, p{  
    color:rgb(251, 242, 229)  
}
```

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(251, 242, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 242, 229) }
```

Border

The CSS property to change the border of an element to XYZ 85.6786, 89.6706, 86.9212 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(251, 242, 229) }
```


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

```
.border{ border-color:rgb(251, 242, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 242, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 242, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 242, 229);  
box-shadow:4px 4px 4px 4px rgb(251, 242,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6786, 89.6706, 86.9212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 242, 229) }
```

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

```
.background{ background-color: rgb(251,  
242, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor