

Converting Colors

XYZ(83.8422, 89.7101, 82.6891)

Have a look what the booklet for
XYZ(83.8422, 89.7101, 82.6891)
contains.

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Color

**XYZ(83.6760, 89.6219,
82.7006)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F4DF
RGB	246, 244, 223
RGB Percent	96%, 96%, 87%
CMY	0.0353, 0.0431, 0.1255
CMYK	0.00, 0.01, 0.09, 0.04
HSL	55°, 56%, 92%
HSV	55°, 9%, 96%
XYZ	83.6760, 89.6219, 82.7006
YIQ	242.2040, 7.9330, -6.1070

Conversions

Conversions Part 2

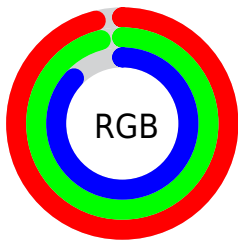
Format	Color
R_{YB}	225, 246, 223
Decimal	16184543
CIE Lab	95.84, -2.86, 10.35
CIE LCh	96, 10.736, 105.448
Yxy	89.6219, 0.3269, 0.3501
Android (android.graphics.Color)	4294374623 (0xFFFF6F4DF)
YUV	242.2040, -9.4676, 3.3291
Hunter-Lab	94.6688, -7.8977, 14.4738

Details

The XYZ color **83.6760, 89.6219, 82.7006** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.9911, 76.1910, 97.9963**, and the grayscale version is **84.6299, 89.0373, 96.9616**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2863, 49.7407, 44.2072** is the 20% darker color. If you saturate the color by 10%, you get **79.9599, 87.1169, 66.2703**, and if you desaturate by 10%, it is **87.8864, 92.3424, 101.6753**.

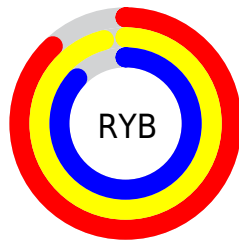
Distribution



Red (96%)

Green (96%)

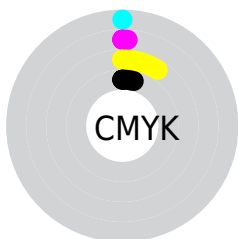
Blue (87%)



Red (88%)

Yellow (96%)

Blue (87%)

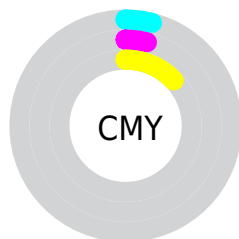


Cyan (0%)

Magenta (1%)

Yellow (9%)

Black (4%)



Cyan (4%)


Magenta (4%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6760, 89.6219, 82.7006 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 83.6760, 89.6219, 82.7006 by changing the saturation by 10% instead.


 83.6760, 89.6219,
82.7006

 83.6760, 89.6219,
82.7006


495.7866,
526.8001, 523.9330

 63.0668, 67.6671,
61.4040

137.4455,
146.8131, 139.0015

 46.1541, 49.6269,
44.1186


171.3364,
182.8183, 174.8430

 32.5726, 35.1171,
30.4259


210.3853,
224.2757, 216.3697

 21.9569, 23.7531,
19.9073


254.9575,
271.5697, 264.0004

 13.9416, 15.1505,
12.1443

305.4184,
325.0848, 318.1536

 8.1615, 8.9251,
6.7183

362.1333,

 4.2511, 4.6924,

385.2053, 379.2477

3.2108

425.4676,
452.3156, 447.7013

■ 1.8452, 2.0679,
1.2032

■ 0.5447, 0.6465,
0.0000

■ 83.6760, 89.6219,
82.7006

■ 83.6760, 89.6219,
82.7006

■ 79.9599, 87.1169,
66.2703

■ 87.8864, 92.3424,
101.6753

■ 76.7101, 84.8073,
52.2695

■ 89.7081, 94.1164,
108.0459

■ 73.9067, 82.6881,
40.5833

■ 90.3690, 95.4381,
108.2662

■ 71.5258, 80.7497,
31.0852

■ 91.0373, 96.7748,
108.4890

■ 69.5409, 78.9814,
23.6367

■ 91.7132, 98.1265,
108.7142

■ 67.9227, 77.3715,
18.0831

■ 91.8164, 98.3330,
108.7487

■ 66.6377, 75.9065,
14.2483

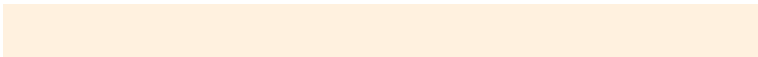
■ 65.6462, 74.5706,
11.9227

■ 64.8864, 73.3389,
10.7819

Harmonies

Analogous

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



86.6210, 89.6219, 82.6416



83.6760, 89.6219, 82.7006



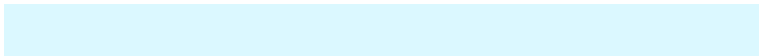
81.1913, 89.6219, 86.5889

Triad

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



83.6760, 89.6219, 82.7006



81.2522, 89.6219, 109.6649



90.8112, 89.6219, 101.7360

Complementary

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



83.6760, 89.6219, 82.7006



73.9911, 76.1910, 97.9963

Split Complementary

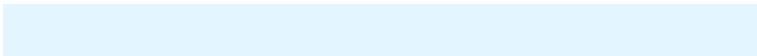
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3033, 89.6219, 109.4704



83.6760, 89.6219, 82.7006



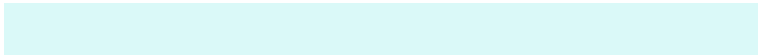
83.7609, 89.6219, 114.2248

Square

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



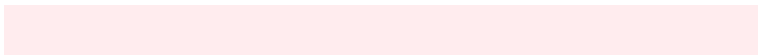
83.6760, 89.6219, 82.7006



79.8142, 89.6219, 101.9891



86.7078, 89.6219, 114.1516



90.7872, 89.6219, 93.3056

Rectangle

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



83.6760, 89.6219, 82.7006



80.1104, 89.6219, 90.9657



86.7078, 89.6219, 114.1516



90.4651, 89.6219, 104.5137

Sweetspot

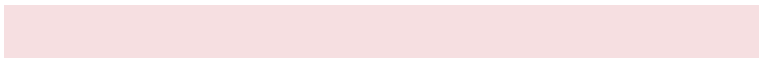
The Sweet Spot groups the original color and five complimentary colors.



83.6784, 89.6258, 82.7025



93.6312, 99.0943, 102.4714



78.0264, 77.8221, 82.3589



19.9616, 21.1592, 21.5746



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.



83.6784, 89.6258, 82.7025



90.0869, 96.7806, 86.5693



81.1344, 89.2104, 82.7564



17.7845, 19.0532, 17.5379



34.6613, 39.2081, 5.7411



3.0818, 3.5169, 0.5164

Inverse Universe

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



73.9911, 76.1910, 97.9963



77.8383, 79.7937, 105.9070



76.3671, 76.6198, 97.9538



15.6967, 16.1577, 20.8340



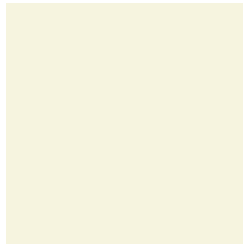
9.0664, 3.9265, 46.8181



0.8356, 0.4226, 4.1278

Previews

White Background



This preview shows how the XYZ color 83.6760, 89.6219, 82.7006 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 83.6760, 89.6219, 82.7006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

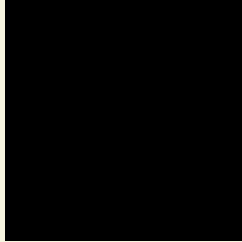
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.6760, 89.6219, 82.7006

Background



This preview shows how black text looks on a background with the XYZ color 83.6760, 89.6219, 82.7006.



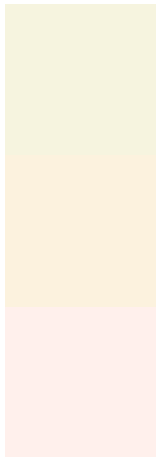
This preview shows how white text looks on a background with the XYZ color 83.6760, 89.6219,

82.7006.

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

83.6760, 89.6219, 82.7006

Protanopia

85.0818, 89.4736, 81.8931

Deuteranopia

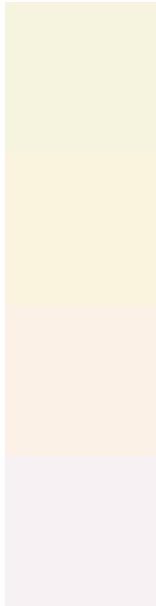
87.5404, 89.6363, 92.0445



Tritanopia

88.2770, 89.6799, 107.2650

Trichromacy



Original Color

83.6760, 89.6219, 82.7006

Protanomaly

84.6597, 89.6991, 81.9589

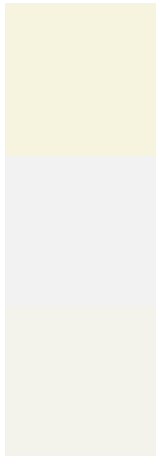
Deuteranomaly

86.0240, 89.3756, 88.3186

Tritanomaly

86.3444, 89.3381, 97.4872

Monochromacy



Original Color

83.6760, 89.6219, 82.7006

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.0081, 89.1540, 91.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6760, 89.6219, 82.7006 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(246, 244, 223) looks like.

```
.text, #text, p{  
    color:rgb(246, 244, 223)  
}
```

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(246, 244, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 244, 223) }
```

Border

The CSS property to change the border of an element to XYZ 83.6760, 89.6219, 82.7006 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(246, 244, 223) }
```


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

```
.border{ border-color:rgb(246, 244, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 244, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 244, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 244, 223);  
box-shadow:4px 4px 4px 4px rgb(246, 244,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6760, 89.6219, 82.7006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 244, 223) }
```

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

```
.background{ background-color: rgb(246,  
244, 223) }
```

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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