

Converting Colors

XYZ(83.5260, 89.8290, 86.0909)

Have a look what the booklet for
XYZ(83.5260, 89.8290, 86.0909)
contains.

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Color

**XYZ(83.6181, 89.9609,
86.3558)**

Conversions

Conversions Part 1

Format	Color
Hex	F3F5E4
RGB	243, 245, 228
RGB Percent	95%, 96%, 89%
CMY	0.0471, 0.0392, 0.1059
CMYK	0.01, 0.00, 0.07, 0.04
HSL	67°, 46%, 93%
HSV	67°, 7%, 96%
XYZ	83.6181, 89.9609, 86.3558
YIQ	242.4640, 4.2650, -5.7110

Conversions

Conversions Part 2

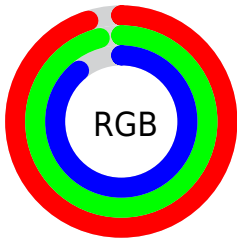
Format	Color
R _Y B	228, 245, 230
Decimal	15988196
CIE Lab	95.98, -3.58, 7.94
CIE LCh	96, 8.710, 114.250
Yxy	89.9609, 0.3217, 0.3461
Android (android.graphics.Color)	4294178276 (0xFFFF3F5E4)
YUV	242.4640, -7.1308, 0.4701
Hunter-Lab	94.8477, -8.6173, 12.4118

Details

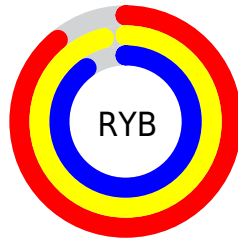
The XYZ color **83.6181, 89.9609, 86.3558** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.8614, 78.9048, 97.5700**, and the grayscale version is **84.8202, 89.2375, 97.1796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2339, 49.9771, 46.7449** is the 20% darker color. If you saturate the color by 10%, you get **79.4670, 88.1891, 69.6474**, and if you desaturate by 10%, it is **88.2720, 91.9414, 105.6074**.

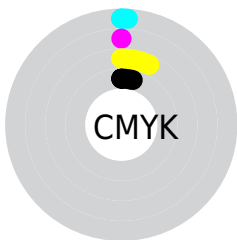
Distribution



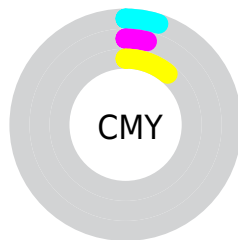
- Red (95%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (90%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (5%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6181, 89.9609, 86.3558 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 83.6181, 89.9609, 86.3558 by changing the saturation by 10% instead.


 83.6181, 89.9609,
86.3558

 83.6181, 89.9609,
86.3558

495.5970,
527.9037, 536.3648

 63.0188, 67.9482,
64.4057


137.3649,
147.2841, 144.1568

 46.1151, 49.8556,
46.5310

171.2431,
183.3634, 180.8448

 32.5417, 35.2987,
32.3134

210.2783,
224.9003, 223.2824

 21.9331, 23.8930,
21.3342

254.8358,
272.2793, 271.8883

 13.9241, 15.2543,
13.1749

305.2812,
325.8847, 327.0809

 8.1492, 8.9981,
7.4169

361.9795,

 4.2432, 4.7399,

386.1010, 389.2789

3.6418

425.2964,
453.3125, 458.9007

■ 1.8406, 2.0955,
1.4310

■ 0.5420, 0.6621,
0.1657

■ 83.6181, 89.9609,
86.3558

■ 83.6181, 89.9609,
86.3558

■ 79.4670, 88.1891,
69.6474

■ 88.2720, 91.9414,
105.6074

■ 75.7909, 86.6062,
55.3702

■ 89.6921, 92.6274,
107.7593

■ 72.5707, 85.2075,
43.4124

■ 90.7285, 93.1617,
107.8078

■ 69.7829, 83.9835,
33.6514

■ 91.7807, 93.7041,
107.8571

■ 67.4021, 82.9241,
25.9529

■ 91.9442, 93.7884,
107.8647

■ 65.4000, 82.0179,
20.1683

■ 63.7444, 81.2521,
16.1290

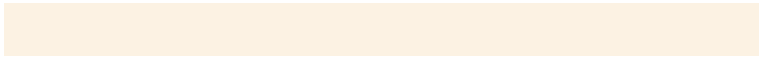
■ 62.3977, 80.6116,
13.6372

■ 61.3119, 80.0772,
12.4402

Harmonies

Analogous

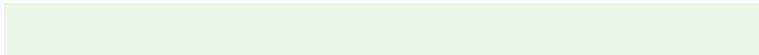
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9697, 89.9609, 85.3456



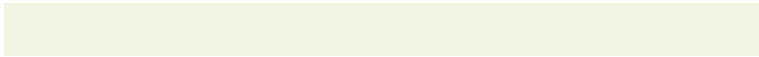
83.6181, 89.9609, 86.3558



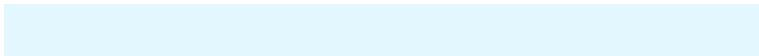
81.8033, 89.9609, 90.4094

Triad

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



83.6181, 89.9609, 86.3558



82.8292, 89.9609, 109.1093



90.1938, 89.9609, 99.2863

Complementary

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



83.6181, 89.9609, 86.3558



76.8614, 78.9048, 97.5700

Split Complementary

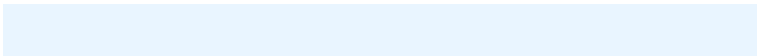
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3170, 89.9609, 105.9031



83.6181, 89.9609, 86.3558



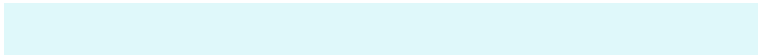
85.0422, 89.9609, 111.7426

Square

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



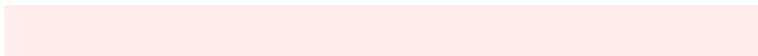
83.6181, 89.9609, 86.3558



81.3539, 89.9609, 103.4982



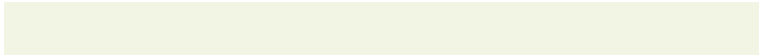
87.4204, 89.9609, 110.5427



89.7953, 89.9609, 92.6078

Rectangle

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



83.6181, 89.9609, 86.3558



81.1271, 89.9609, 94.3977



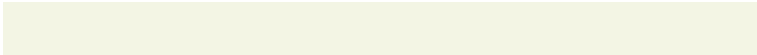
87.4204, 89.9609, 110.5427



90.0379, 89.9609, 101.5947

Sweetspot

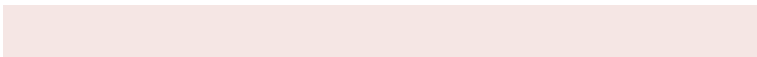
The Sweet Spot groups the original color and five complimentary colors.



83.6206, 89.9648, 86.3577



94.0188, 99.5620, 104.6224



79.9549, 81.6007, 84.9365



20.1347, 21.3150, 22.4383



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.



83.6206, 89.9648, 86.3577



91.0583, 98.3018, 92.4695



80.7607, 88.4905, 86.2239



17.7111, 19.2086, 17.5717



32.9424, 43.0953, 6.5820



2.9486, 3.8151, 0.5810

Inverse Universe

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



76.8614, 78.9048, 97.5700



82.5707, 84.4133, 106.5492



79.6501, 80.3424, 97.7005



15.7626, 16.0203, 20.8040



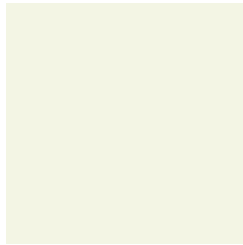
9.2086, 3.7215, 46.7710



0.8669, 0.3568, 4.1134

Previews

White Background



This preview shows how the XYZ color 83.6181, 89.9609, 86.3558 looks on a white background.

Color Contrast Check

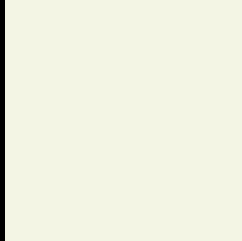
Large Text (above 18pt) WCAG AA × Fail

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 83.6181, 89.9609, 86.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

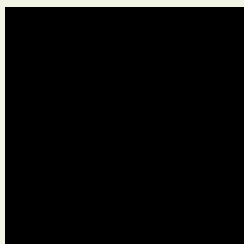
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

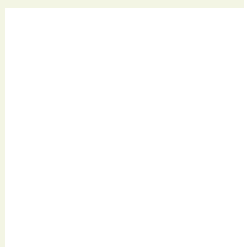
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6181, 89.9609, 86.3558

Background



This preview shows how black text looks on a background with the XYZ color 83.6181, 89.9609, 86.3558.



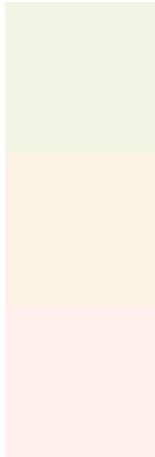
This preview shows how white text looks on a background with the XYZ color 83.6181, 89.9609,

86.3558.

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

83.6181, 89.9609, 86.3558

Protanopia

85.7621, 89.7458, 85.4756

Deuteranopia

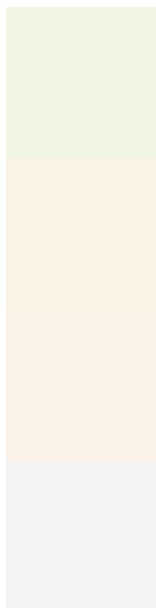
87.8327, 89.7532, 93.5837



Tritanopia

87.5113, 89.7234, 107.3138

Trichromacy



Original Color

83.6181, 89.9609, 86.3558

Protanomaly

84.9826, 89.7870, 85.5246

Deuteranomaly

86.3871, 89.9540, 90.6517

Tritanomaly

85.8897, 89.5093, 99.1364

Monochromacy



Original Color

83.6181, 89.9609, 86.3558

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9546, 89.0929, 92.8925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6181, 89.9609, 86.3558 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(243, 245, 228) looks like.

```
.text, #text, p{  
    color:rgb(243, 245, 228)  
}
```

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(243, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 245, 228) }
```

Border

The CSS property to change the border of an element to XYZ 83.6181, 89.9609, 86.3558 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(243, 245, 228) }
```


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

```
.border{ border-color:rgb(243, 245, 228) }
```

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

Here you see how a box with a 4 pixel rgb(243, 245, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 245, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 245, 228);  
box-shadow:4px 4px 4px 4px rgb(243, 245,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6181, 89.9609, 86.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 245, 228) }
```

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

```
.background{ background-color: rgb(243,  
245, 228) }
```

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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