

Converting Colors

XYZ(83.6912, 89.0351, 79.4502)

Have a look what the booklet for
XYZ(83.6912, 89.0351, 79.4502)
contains.

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Color

**XYZ(83.9037, 89.3554,
79.8430)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F3DB
RGB	249, 243, 219
RGB Percent	98%, 95%, 86%
CMY	0.0235, 0.0470, 0.1412
CMYK	0.00, 0.02, 0.12, 0.02
HSL	48°, 71%, 92%
HSV	48°, 12%, 98%
XYZ	83.9037, 89.3554, 79.8430
YIQ	242.0580, 11.2800, -6.1920

Conversions

Conversions Part 2

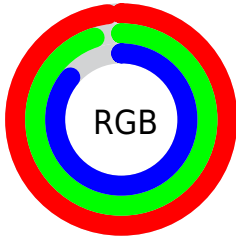
Format	Color
R_{YB}	227, 249, 219
Decimal	16380891
CIE Lab	95.73, -1.95, 12.28
CIE LCh	96, 12.437, 99.007
Yxy	89.3554, 0.3315, 0.3530
Android (android.graphics.Color)	4294570971 (0xFFFF9F3DB)
YUV	242.0580, -11.3676, 6.0881
Hunter-Lab	94.5280, -6.9861, 16.0903

Details

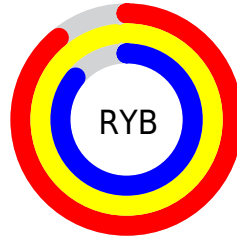
The XYZ color **83.9037, 89.3554, 79.8430** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.2374, 75.7487, 100.3843**, and the grayscale version is **84.5270, 88.9290, 96.8436**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2094, 49.4275, 42.2269** is the 20% darker color. If you saturate the color by 10%, you get **79.3996, 85.2062, 63.3606**, and if you desaturate by 10%, it is **88.9434, 93.7894, 98.9253**.

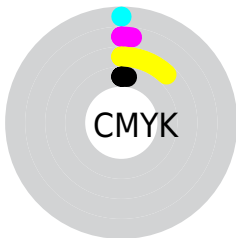
Distribution



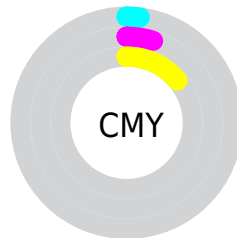
- Red (98%)
- Green (95%)
- Blue (86%)



- Red (89%)
- Yellow (98%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)
- Black (2%)





- Cyan (2%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9037, 89.3554, 79.8430 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 83.9037, 89.3554, 79.8430 by changing the saturation by 10% instead.


 83.9037, 89.3554,
79.8430

 83.9037, 89.3554,
79.8430


496.5319,
525.9318, 514.0964

 63.2554, 67.4461,
59.0638


137.7624,
146.4427, 134.9544

 46.3073, 49.4473,
42.2441


171.7035,
182.3895, 170.1236

 32.6940, 34.9744,
28.9655


210.8062,
223.7843, 210.9266

 22.0502, 23.6432,
18.8094

255.4360,
271.0115, 257.7818

 14.0106, 15.0691,
11.3572

305.9580,
324.4554, 311.1079

 8.2098, 8.8679,
6.1904

362.7378,

 4.2824, 4.6551,

384.5005, 371.3233

2.8906

426.1406,
451.5312, 438.8466

■ 1.8631, 2.0464,
1.0390

■ 0.5553, 0.6342,
0.0000

■ 83.9037, 89.3554,
79.8430

■ 83.9037, 89.3554,
79.8430

■ 79.3996, 85.2062,
63.3606

■ 88.9434, 93.7894,
98.9253

■ 75.4019, 81.3206,
49.3578

■ 92.2293, 97.5839,
108.5823

■ 71.8894, 77.6927,
37.7138

■ 92.8773, 98.8799,
108.7983

■ 68.8363, 74.3116,
28.2950

■ 66.2145, 71.1656,
20.9545

■ 63.9924, 68.2414,
15.5277

■ 62.1337, 65.5241,
11.8252

■ 60.5947, 62.9956,
9.6183

■ 59.5464, 61.0982,
8.6547

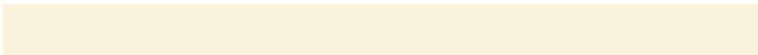
Harmonies

Analogous

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



87.3087, 89.3554, 80.7390



83.9037, 89.3554, 79.8430



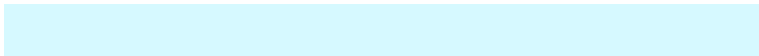
80.8552, 89.3554, 83.3723

Triad

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



83.9037, 89.3554, 79.8430



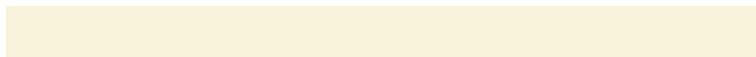
79.9187, 89.3554, 109.6419



91.2219, 89.3554, 104.2010

Complementary

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



83.9037, 89.3554, 79.8430



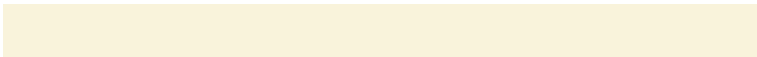
73.2374, 75.7487, 100.3843

Split Complementary

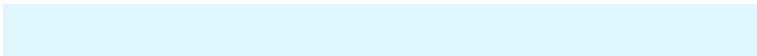
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1387, 89.3554, 112.6826



83.9037, 89.3554, 79.8430



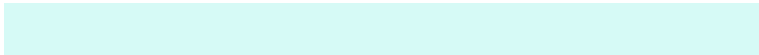
82.5942, 89.3554, 115.9675

Square

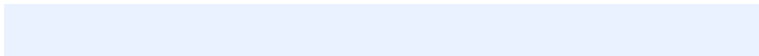
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9037, 89.3554, 79.8430



78.5954, 89.3554, 100.2728



85.9639, 89.3554, 117.1161



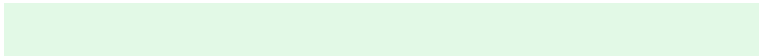
91.5953, 89.3554, 94.3725

Rectangle

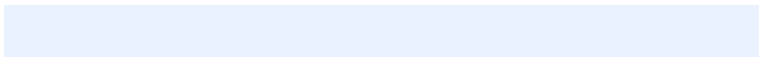
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9037, 89.3554, 79.8430



79.4133, 89.3554, 87.9086



85.9639, 89.3554, 117.1161



90.6957, 89.3554, 107.3222

Sweetspot

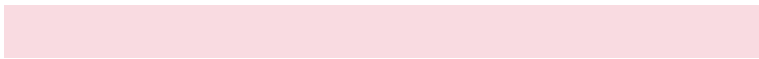
The Sweet Spot groups the original color and five complimentary colors.



83.9061, 89.3593, 79.8449



92.8041, 98.0667, 100.2637



77.9901, 76.2403, 81.8407



19.7757, 20.9136, 21.1238



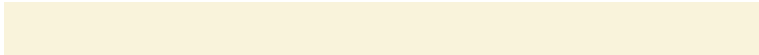
0.0000, 0.0000, 0.0000



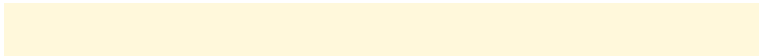
20.3446, 21.4041, 23.3091

Same Dimension

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



83.9061, 89.3593, 79.8449



87.5919, 93.4427, 80.6447



82.5980, 91.3920, 80.3062



18.4155, 19.5668, 18.2686



31.9771, 32.9109, 4.6671



3.0339, 3.1926, 0.4563

Inverse Universe

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



73.2374, 75.7487, 100.3843



74.6683, 76.9558, 105.5262



74.4265, 73.9979, 99.9836



16.5639, 17.2046, 21.8331



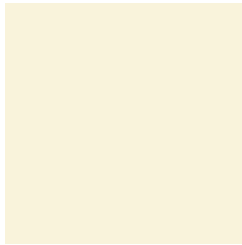
9.8366, 5.0288, 48.4258



0.9820, 0.6076, 4.5087

Previews

White Background



This preview shows how the XYZ color 83.9037, 89.3554, 79.8430 looks on a white background.

Color Contrast Check

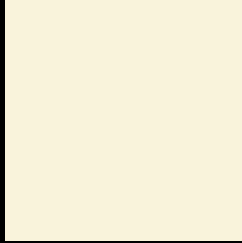
Large Text (above 18pt) WCAG AA × Fail

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 83.9037, 89.3554, 79.8430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

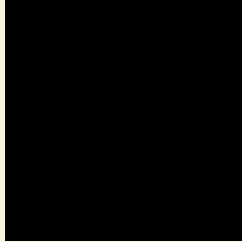
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9037, 89.3554, 79.8430

Background



This preview shows how black text looks on a background with the XYZ color 83.9037, 89.3554, 79.8430.



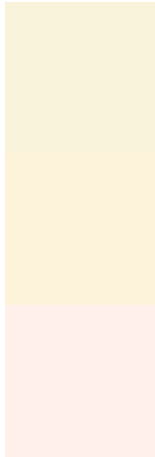
This preview shows how white text looks on a background with the XYZ color 83.9037, 89.3554,

79.8430.

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

83.9037, 89.3554, 79.8430

Protanopia

84.9150, 89.4489, 79.1195

Deuteranopia

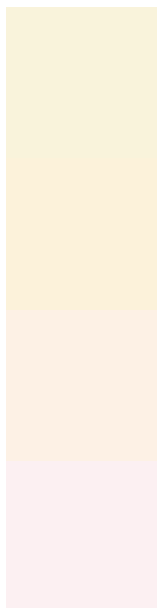
87.3955, 89.5783, 91.2814



Tritanopia

89.1325, 89.2517, 107.1373

Trichromacy



Original Color

83.9037, 89.3554, 79.8430

Protanomaly

84.5519, 89.2617, 79.1025

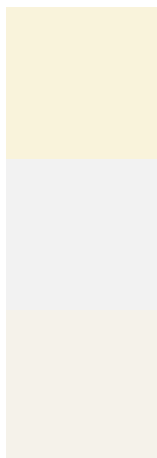
Deuteranomaly

86.1062, 89.4504, 86.8561

Tritanomaly

87.3320, 89.4264, 96.6625

Monochromacy



Original Color

83.9037, 89.3554, 79.8430

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.2596, 88.8573, 90.5521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9037, 89.3554, 79.8430 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(249, 243, 219)` looks like.

```
.text, #text, p{  
    color:rgb(249, 243, 219)  
}
```

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(249, 243, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 243, 219) }
```

Border

The CSS property to change the border of an element to XYZ 83.9037, 89.3554, 79.8430 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(249, 243, 219) }
```


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

```
.border{ border-color:rgb(249, 243, 219) }
```

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

Here you see how a box with a 4 pixel rgb(249, 243, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 243, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 243, 219);  
box-shadow:4px 4px 4px 4px rgb(249, 243,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9037, 89.3554, 79.8430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 243, 219) }
```

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

```
.background{ background-color: rgb(249,  
243, 219) }
```

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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