

Converting Colors

XYZ(103.5911, 100.0000,
68.1305)

Have a look what the booklet for
XYZ(103.5911, 100.0000, 68.1305)
contains.

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Color

**XYZ(83.5994, 89.4847,
66.8989)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3C7
RGB	255, 243, 199
RGB Percent	100%, 95%, 78%
CMY	0.0000, 0.0470, 0.2196
CMYK	0.00, 0.05, 0.22, 0.00
HSL	47°, 100%, 89%
HSV	47°, 22%, 100%
XYZ	83.5994, 89.4847, 66.8989
YIQ	241.5720, 21.2760, -11.1400

Conversions

Conversions Part 2

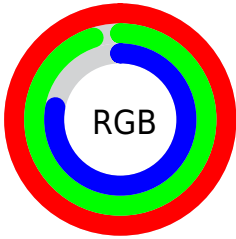
Format	Color
R _Y B	214, 255, 199
Decimal	16774087
CIE Lab	95.78, -2.76, 22.70
CIE LCh	96, 22.869, 96.931
Yxy	89.4847, 0.3484, 0.3729
Android (android.graphics.Color)	4294964167 (0xFFFFF3C7)
YUV	241.5720, -20.9880, 11.7764
Hunter-Lab	94.5964, -7.7945, 24.2873

Details

The XYZ color **83.5994, 89.4847, 66.8989** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.8969, 65.9487, 103.9167**, and the grayscale version is **84.2105, 88.5960, 96.4810**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1699, 49.5907, 33.9266** is the 20% darker color. If you saturate the color by 10%, you get **79.2737, 85.1809, 52.0537**, and if you desaturate by 10%, it is **88.4742, 94.0920, 84.3769**.

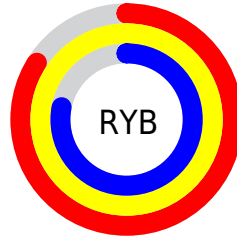
Distribution



Red (100%)

Green (95%)

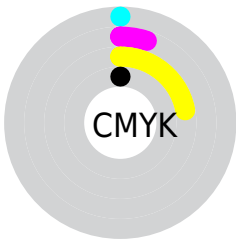
Blue (78%)



Red (84%)

Yellow (100%)

Blue (78%)

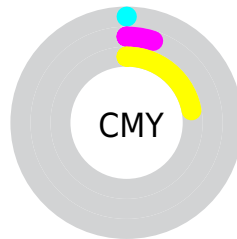


Cyan (0%)

Magenta (5%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.5994, 89.4847, 66.8989 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 83.5994, 89.4847, 66.8989 by changing the saturation by 10% instead.


 83.5994, 89.4847,
66.8989

 83.5994, 89.4847,
66.8989


495.5358,
526.3532, 468.0765

 63.0033, 67.5533,
48.5414


137.3388,
146.6224, 116.4148

 46.1026, 49.5344,
33.8928


171.2129,
182.5976, 148.4103

 32.5317, 35.0436,
22.5346


210.2437,
224.0227, 185.7888

 21.9255, 23.6965,
14.0481

254.7965,
271.2824, 228.9690

 13.9184, 15.1086,
8.0150

305.2368,
324.7608, 278.3693

 8.1453, 8.8957,
4.0167

361.9299,

 4.2406, 4.6732,

384.8425, 334.4083

1.6345

425.2411,
451.9118, 397.5045

■ 1.8392, 2.0568,
0.3152

■ 0.5411, 0.6402,
0.0000

■ 83.5994, 89.4847,
66.8989

■ 83.5994, 89.4847,
66.8989

■ 79.2737, 85.1809,
52.0537

■ 88.4742, 94.0920,
84.3769

■ 75.4655, 81.1582,
39.7054

■ 93.9151, 99.0011,
104.6034

■ 72.1497, 77.4090,
29.7146

■ 95.0500, 100.0000,
108.9000

■ 69.2965, 73.9205,
21.9255

■ 66.8722, 70.6787,
16.1639

■ 64.8383, 67.6675,
12.2288

■ 63.1484, 64.8675,
9.8779

■ 61.9834, 62.7467,
8.8445

Harmonies

Analogous

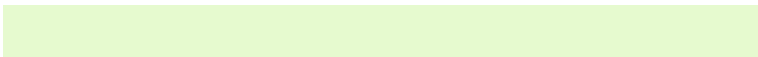
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8869, 89.4847, 68.8795



83.5994, 89.4847, 66.8989



77.9812, 89.4847, 72.2548

Triad

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



83.5994, 89.4847, 66.8989



75.7342, 89.4847, 119.7953



96.6886, 89.4847, 111.6662

Complementary

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



83.5994, 89.4847, 66.8989



64.8969, 65.9487, 103.9167

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.



92.5389, 89.4847, 127.8722



83.5994, 89.4847, 66.8989



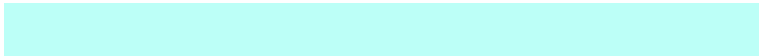
80.3947, 89.4847, 132.9554

Square

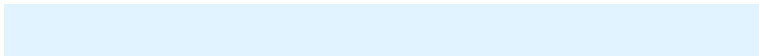
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5994, 89.4847, 66.8989



73.5877, 89.4847, 101.6794



86.5224, 89.4847, 136.0799



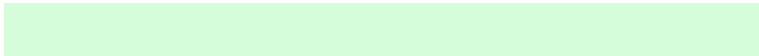
97.6503, 89.4847, 93.3077

Rectangle

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



83.5994, 89.4847, 66.8989



75.3017, 89.4847, 79.7069



86.5224, 89.4847, 136.0799



95.6107, 89.4847, 117.6111

Sweetspot

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



83.6015, 89.4886, 66.9008



91.1005, 96.4881, 94.0583



73.4387, 66.8177, 70.7432



19.4292, 20.5891, 19.8723



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

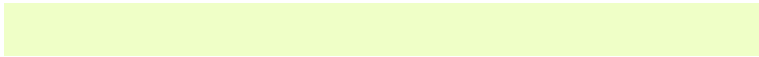
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6015, 89.4886, 66.9008



81.7889, 87.7133, 60.5932



81.7109, 94.0176, 67.8746



19.2116, 20.3914, 19.0677



32.5012, 33.0136, 4.6593



3.2428, 3.3711, 0.4798

Inverse Universe

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



64.8969, 65.9487, 103.9167



60.2943, 60.6652, 103.1394



66.4595, 62.4949, 103.1677



17.3183, 18.0082, 22.8131



10.2231, 5.3558, 49.9295



1.0707, 0.6722, 4.8866

Previews

White Background



This preview shows how the XYZ color 83.5994, 89.4847, 66.8989 looks on a white background.

Color Contrast Check

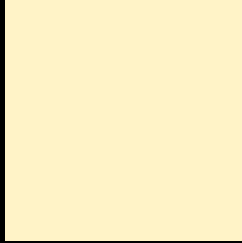
Large Text (above 18pt) WCAG AA × Fail

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 83.5994, 89.4847, 66.8989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

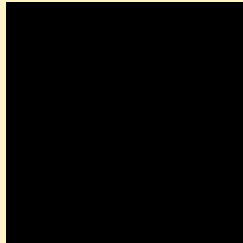
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5994, 89.4847, 66.8989

Background



This preview shows how black text looks on a background with the XYZ color 83.5994, 89.4847, 66.8989.



This preview shows how white text looks on a background with the XYZ color 83.5994, 89.4847,

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

83.5994, 89.4847, 66.8989

Protanopia

84.1327, 89.2205, 71.1795

Deuteranopia

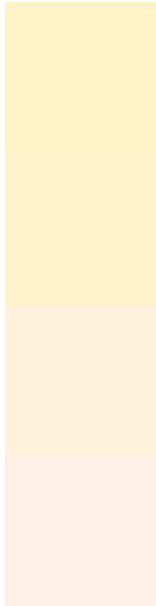
86.8239, 89.3497, 88.2714



Tritanopia

89.0699, 89.3112, 102.9868

Trichromacy



Original Color

83.5994, 89.4847, 66.8989

Protanomaly

83.7716, 89.0761, 69.2781

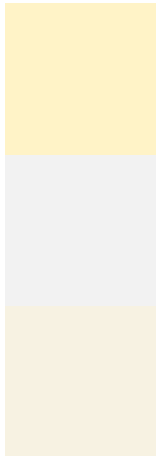
Deuteranomaly

85.4815, 89.2851, 79.7462

Tritanomaly

86.8239, 89.3497, 88.2714

Monochromacy



Original Color

83.5994, 89.4847, 66.8989

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.8374, 88.7694, 84.6670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5994, 89.4847, 66.8989 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(255, 243, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 199)  
}
```

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(255, 243, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 199) }
```

Border

The CSS property to change the border of an element to XYZ 83.5994, 89.4847, 66.8989 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(255, 243, 199) }
```


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

```
.border{ border-color:rgb(255, 243, 199) }
```

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

Here you see how a box with a 4 pixel rgb(255, 243, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5994, 89.4847, 66.8989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 199) }
```

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

```
.background{ background-color: rgb(255,  
243, 199) }
```

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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