

Converting Colors

XYZ(164.0709, 134.3963,
87.3383)

Have a look what the booklet for
XYZ(164.0709, 134.3963, 87.3383)
contains.

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Color

**XYZ(89.0565, 95.5821,
83.5674)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBDF
RGB	255, 251, 223
RGB Percent	100%, 98%, 87%
CMY	0.0000, 0.0157, 0.1255
CMYK	0.00, 0.02, 0.13, 0.00
HSL	53°, 100%, 94%
HSV	53°, 13%, 100%
XYZ	89.0565, 95.5821, 83.5674
YIQ	249.0040, 11.3720, -7.8600

Conversions

Conversions Part 2

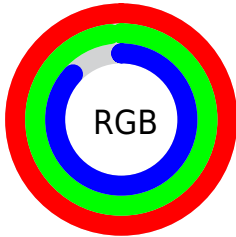
Format	Color
R_{YB}	228, 255, 223
Decimal	16776159
CIE _{Lab}	98.27, -3.26, 13.90
CIE _{LCh}	98, 14.273, 103.198
Yxy	95.5821, 0.3320, 0.3564
Android (android.graphics.Color)	4294966239 (0xFFFFFBDF)
YUV	249.0040, -12.8200, 5.2585
Hunter-Lab	97.7661, -8.4925, 17.7570

Details

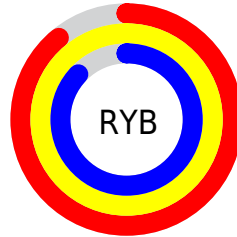
The XYZ color **89.0565, 95.5821, 83.5674** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.9499, 77.8440, 105.6302**, and the grayscale version is **90.1433, 94.8378, 103.2784**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.8717, 53.8631, 44.8139** is the 20% darker color. If you saturate the color by 10%, you get **84.8889, 92.3406, 66.4747**, and if you desaturate by 10%, it is **93.7631, 99.0721, 103.3967**.

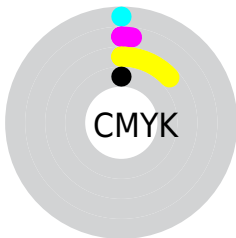
Distribution



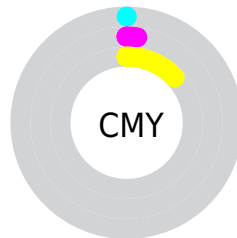
- Red (100%)
- Green (98%)
- Blue (87%)



- Red (89%)
- Yellow (100%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.0565, 95.5821, 83.5674 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 89.0565, 95.5821, 83.5674 by changing the saturation by 10% instead.


 89.0565, 95.5821,
83.5674

 89.0565, 95.5821,
83.5674


513.2406,
546.0268, 526.8960

 67.5321, 72.6196,
62.1150


144.9122,
155.0686, 140.2262

 49.7894, 53.6649,
44.6892


179.9741,
192.3612, 176.2697

 35.4632, 38.3339,
30.8716


220.2792,
235.1994, 218.0140

 24.1881, 26.2419,
20.2434

266.1930,
283.9675, 265.8776

 15.5987, 17.0047,
12.3863

318.0806,
339.0499, 320.2790

 9.3297, 10.2378,
6.8816

376.3075,

 5.0157, 5.5569,

400.8310, 381.6369

3.3108

441.2391,
469.6952, 450.3697

■ 2.2913, 2.5776,
1.2555

■ 0.7902, 0.9154,
0.0249

■ 89.0565, 95.5821,
83.5674

■ 89.0565, 95.5821,
83.5674

■ 84.8889, 92.3406,
66.4747

■ 93.7631, 99.0721,
103.3967

■ 81.2304, 89.3264,
51.9911

95.0500, 100.0000,
108.9000

■ 78.0586, 86.5332,
39.9877

■ 75.3461, 83.9502,
30.3226

■ 73.0634, 81.5652,
22.8393

■ 71.1769, 79.3649,
17.3622

■ 69.6481, 77.3336,
13.6887

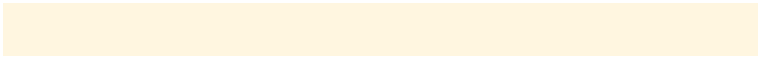
■ 68.4303, 75.4525,
11.5733

■ 67.6740, 74.1279,
10.7413

Harmonies

Analogous

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



93.1501, 95.5821, 83.8858



89.0565, 95.5821, 83.5674



85.5480, 95.5821, 88.4388

Triad

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



89.0565, 95.5821, 83.5674



85.2111, 95.5821, 120.3369



98.6205, 95.5821, 110.7489

Complementary

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



89.0565, 95.5821, 83.5674



75.9499, 77.8440, 105.6302

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.



96.3623, 95.5821, 121.4482



89.0565, 95.5821, 83.5674



88.5840, 95.5821, 127.2631

Square

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



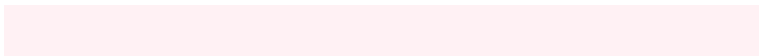
89.0565, 95.5821, 83.5674



83.3734, 95.5821, 109.3231



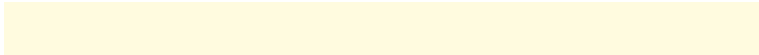
92.6632, 95.5821, 127.6845



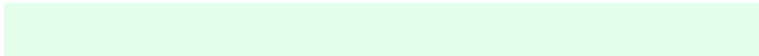
98.7564, 95.5821, 98.9930

Rectangle

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



89.0565, 95.5821, 83.5674



83.9791, 95.5821, 94.2030



92.6632, 95.5821, 127.6845



98.0815, 95.5821, 114.6087

Sweetspot

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



89.0587, 95.5861, 83.5694



93.0461, 98.5508, 100.3444



81.5304, 79.5972, 83.9340



19.8372, 21.0365, 21.1443



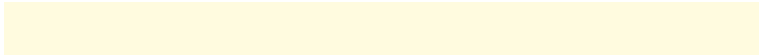
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

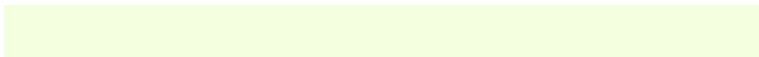
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0587, 95.5861, 83.5694



87.9878, 94.7685, 79.1300



86.1340, 95.9501, 83.7938



19.3564, 20.6809, 19.1160



35.4372, 38.8856, 5.6379



3.5023, 3.8900, 0.5662

Inverse Universe

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



75.9499, 77.8440, 105.6302



72.5860, 73.9235, 105.0507



78.6115, 77.6134, 105.4453



17.1857, 17.7429, 22.7689



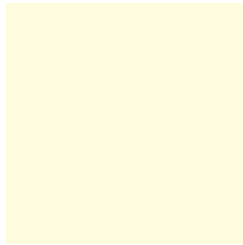
9.7555, 4.4205, 49.7737



1.0047, 0.5401, 4.8646

Previews

White Background



This preview shows how the XYZ color 89.0565, 95.5821, 83.5674 looks on a white background.

Color Contrast Check

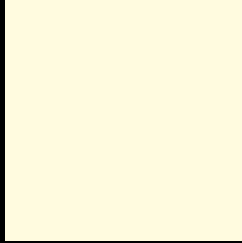
Large Text (above 18pt) WCAG AA × Fail

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 89.0565, 95.5821, 83.5674 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 89.0565, 95.5821, 83.5674

Background



This preview shows how black text looks on a background with the XYZ color 89.0565, 95.5821, 83.5674.



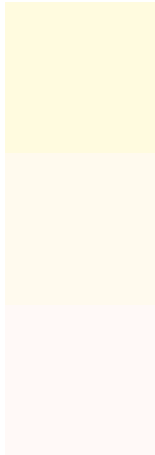
This preview shows how white text looks on a background with the XYZ color 89.0565, 95.5821,

83.5674.

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

89.0565, 95.5821, 83.5674

Protanopia

90.8582, 95.8043, 94.5922

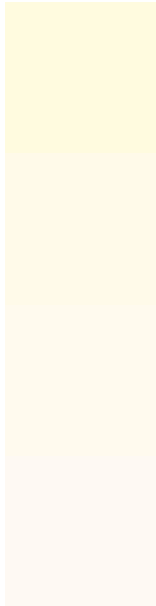
Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

92.4905, 95.4256, 108.1520

Trichromacy



Original Color

89.0565, 95.5821, 83.5674

Protanomaly

90.1336, 95.5144, 90.7764

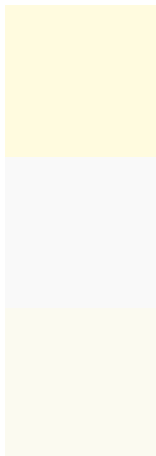
Deuteranomaly

90.8582, 95.8043, 94.5922

Tritanomaly

90.9264, 95.2933, 98.3951

Monochromacy



Original Color

89.0565, 95.5821, 83.5674

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.6974, 95.1717, 96.0805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.0565, 95.5821, 83.5674 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, 251, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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(255, 251, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 223) }
```

Border

The CSS property to change the border of an element to XYZ 89.0565, 95.5821, 83.5674 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, 251, 223) }
```


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

```
.border{ border-color:rgb(255, 251, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 89.0565, 95.5821, 83.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 223) }
```

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

```
.background{ background-color: rgb(255,  
251, 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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