

# Converting Colors

XYZ(83.1962, 89.4117, 64.5036)

Have a look what the booklet for  
XYZ(83.1962, 89.4117, 64.5036)  
contains.

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# Color

**XYZ(83.1409, 89.3013,  
64.4846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3C3
RGB	255, 243, 195
RGB Percent	100%, 95%, 76%
CMY	0.0000, 0.0470, 0.2353
CMYK	0.00, 0.05, 0.24, 0.00
HSL	48°, 100%, 88%
HSV	48°, 24%, 100%
XYZ	83.1409, 89.3013, 64.4846
YIQ	241.1160, 22.5600, -12.3840

# Conversions

## Conversions Part 2

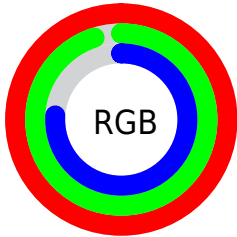
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 255, 195
Decimal	16774083
CIE Lab	95.71, -3.31, 24.64
CIE LCh	96, 24.862, 97.646
Yxy	89.3013, 0.3509, 0.3769
Android (android.graphics.Color)	4294964163 (0xFFFFF3C3)
YUV	241.1160, -22.7352, 12.1763
Hunter-Lab	94.4994, -8.3289, 25.6912

# Details

The XYZ color **83.1409, 89.3013, 64.4846** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.8680, 63.4459, 103.5405**, and the grayscale version is **83.8633, 88.2307, 96.0832**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **45.8667, 49.4695, 32.3304** is the 20% darker color. If you saturate the color by 10%, you get **78.9967, 85.2395, 50.0730**, and if you desaturate by 10%, it is **87.8242, 93.6526, 81.5072**.

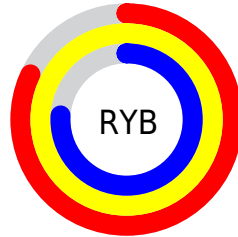
# Distribution



Red (100%)

Green (95%)

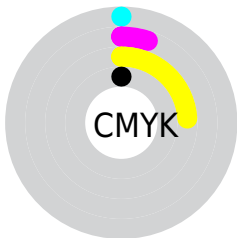
Blue (76%)



Red (82%)

Yellow (100%)

Blue (76%)

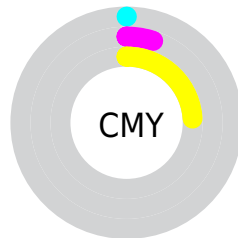


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1409, 89.3013, 64.4846 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 83.1409, 89.3013, 64.4846 by changing the saturation by 10% instead.




 83.1409, 89.3013,  
64.4846

 83.1409, 89.3013,  
64.4846


494.0328,  
525.7554, 459.1929

 62.6237, 67.4013,  
46.5946

136.7003,  
146.3675, 112.9147

 45.7944, 49.4108,  
32.3632


170.4732,  
182.3025, 144.2919

 32.2875, 34.9455,  
21.3720


209.3954,  
223.6845, 181.0019

 21.7378, 23.6209,  
13.2023

253.8322,  
270.8981, 223.4633

 13.7799, 15.0526,  
7.4356

304.1490,  
324.3276, 272.0945

 8.0484, 8.8563,  
3.6535

360.7111,

 4.1780, 4.6476,

384.3574, 327.3142

1.4372

423.8839,  
451.3718, 389.5408

■ 1.8033, 2.0420,  
0.1705

■ 0.5197, 0.6317,  
0.0000

■ 83.1409, 89.3013,  
64.4846

■ 83.1409, 89.3013,  
64.4846

■ 78.9967, 85.2395,  
50.0730

■ 87.8242, 93.6526,  
81.5072

■ 75.3598, 81.4448,  
38.1349

■ 93.0637, 98.2917,  
101.2576

■ 72.2047, 77.9095,  
28.5288

95.0500, 100.0000,  
108.9000

■ 69.5012, 74.6210,  
21.0966

■ 67.2151, 71.5650,  
15.6603

■ 65.3070, 68.7252,  
12.0139

■ 63.7288, 66.0818,  
9.9063

■ 62.8389, 64.4578,  
9.1296

# Harmonies

## Analogous

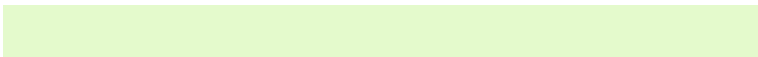
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9777, 89.3013, 66.4007



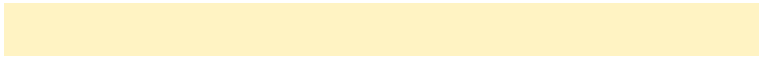
83.1409, 89.3013, 64.4846



77.0983, 89.3013, 70.3620

# Triad

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



83.1409, 89.3013, 64.4846



74.8873, 89.3013, 122.0938



97.6282, 89.3013, 112.2702

# Complementary

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



83.1409, 89.3013, 64.4846



62.8680, 63.4459, 103.5405

# 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.



93.1647, 89.3013, 130.2009



83.1409, 89.3013, 64.4846



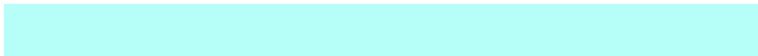
79.9751, 89.3013, 136.3825

# Square

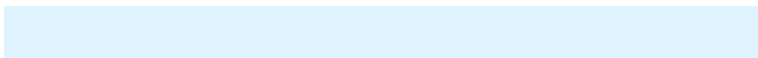
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1409, 89.3013, 64.4846



72.5025, 89.3013, 102.3303



86.6395, 89.3013, 139.5329



98.5877, 89.3013, 92.3096

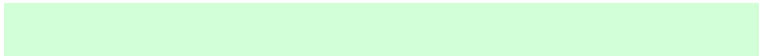


# Rectangle

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



83.1409, 89.3013, 64.4846



74.2487, 89.3013, 78.4426



86.6395, 89.3013, 139.5329



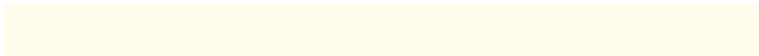
96.4767, 89.3013, 118.8095

# Sweetspot

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



83.1431, 89.3052, 64.4865



91.1802, 96.6476, 94.0849



72.0182, 64.7962, 67.7437



19.4477, 20.6262, 19.8785



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

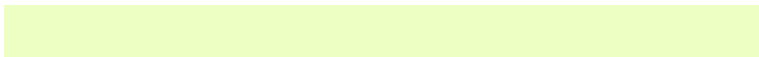
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1431, 89.3052, 64.4865



81.2244, 87.4531, 57.7270



80.5358, 93.4649, 65.4268



19.2346, 20.4375, 19.0754



32.9431, 33.8975, 4.8066



3.2822, 3.4498, 0.4929



# Inverse Universe

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



62.8680, 63.4459, 103.5405



57.8865, 57.6911, 102.6923



65.0065, 60.3975, 102.8394



17.2970, 17.9656, 22.8060



10.1320, 5.1736, 49.8992



1.0590, 0.6487, 4.8827



# Previews

## White Background



This preview shows how the XYZ color 83.1409, 89.3013, 64.4846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

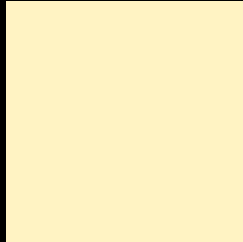
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.1409, 89.3013, 64.4846 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 83.1409, 89.3013, 64.4846**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.1409, 89.3013, 64.4846.



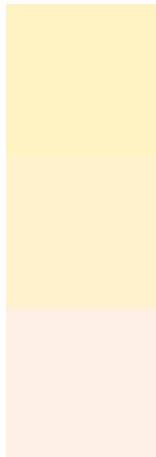
This preview shows how white text looks on a background with the XYZ color 83.1409, 89.3013,



# 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

83.1409, 89.3013, 64.4846

### Protanopia

83.8912, 89.1239, 69.9078

### Deuteranopia

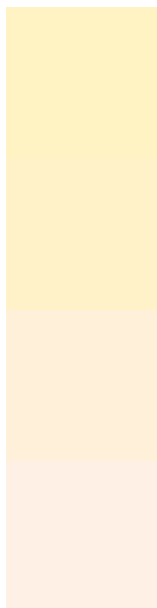
86.6830, 89.2933, 87.5296



## Tritanopia

88.9134, 89.2486, 102.1630

# Trichromacy



## Original Color

83.1409, 89.3013, 64.4846

## Protanomaly

83.5347, 88.9813, 68.0307

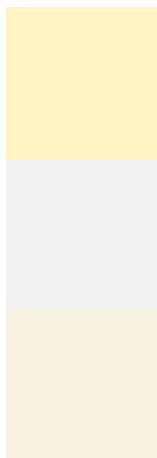
## Deuteranomaly

85.2197, 89.1803, 78.3676

## Tritanomaly

86.5429, 89.2373, 86.7920

# Monochromacy



## Original Color

83.1409, 89.3013, 64.4846

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.2127, 88.4789, 83.2134

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.1409, 89.3013, 64.4846 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 83.1409, 89.3013, 64.4846 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, 195) }
```



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

```
.border{ border-color:rgb(255, 243, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.1409, 89.3013, 64.4846 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, 195) }
```

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

```
.background{ background-color: rgb(255,  
243, 195) }
```

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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