

# Converting Colors

XYZ(84.5385, 89.9249, 71.6450)

Have a look what the booklet for  
XYZ(84.5385, 89.9249, 71.6450)  
contains.

<b>XYZ(84.5531, 89.8662, 71.9210)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(84.5531, 89.8662,  
71.9210)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF3CF
RGB	255, 243, 207
RGB Percent	100%, 95%, 81%
CMY	0.0000, 0.0470, 0.1882
CMYK	0.00, 0.05, 0.19, 0.00
HSL	45°, 100%, 91%
HSV	45°, 19%, 100%
XYZ	84.5531, 89.8662, 71.9210
YIQ	242.4840, 18.7080, -8.6520

# Conversions

## Conversions Part 2

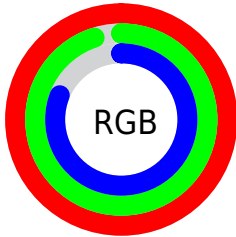
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 255, 207
Decimal	16774095
CIE Lab	95.94, -1.63, 18.82
CIE LCh	96, 18.894, 94.945
Yxy	89.8662, 0.3432, 0.3648
Android (android.graphics.Color)	4294964175 (0xFFFFF3CF)
YUV	242.4840, -17.4936, 10.9765
Hunter-Lab	94.7978, -6.6864, 21.3764

# Details

The XYZ color **84.5531, 89.8662, 71.9210** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.1131, 71.1465, 104.6977**, and the grayscale version is **84.9075, 89.3293, 97.2796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8088, 49.8463, 37.2912** is the 20% darker color. If you saturate the color by 10%, you get **79.8106, 84.9737, 56.1817**, and if you desaturate by 10%, it is **89.8696, 95.1002, 90.3379**.

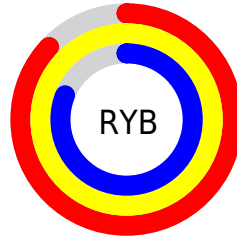
# Distribution



Red (100%)

Green (95%)

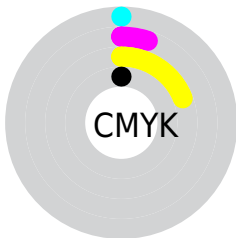
Blue (81%)



Red (87%)

Yellow (100%)

Blue (81%)

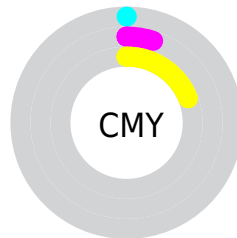


Cyan (0%)

Magenta (5%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5531, 89.8662, 71.9210 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 84.5531, 89.8662, 71.9210 by changing the saturation by 10% instead.




 84.5531, 89.8662,  
71.9210

 84.5531, 89.8662,  
71.9210


498.6541,  
527.5955, 486.2367

 63.7934, 67.8697,  
52.6077


138.6659,  
147.1525, 123.6509

 46.7444, 49.7917,  
37.1041


172.7497,  
183.2111, 156.9045

 33.0408, 35.2479,  
24.9917


212.0056,  
224.7259, 195.6421

 22.3171, 23.8539,  
15.8519

256.7990,  
272.0811, 240.2820

 14.2080, 15.2253,  
9.2662

307.4952,  
325.6613, 291.2429

 8.3481, 8.9777,  
4.8160

364.4595,

 4.3722, 4.7266,

385.8509, 348.9433

2.0829

428.0574,  
453.0341, 413.8017

■ 1.9148, 2.0878,  
0.6056

■ 0.5854, 0.6577,  
0.0000

■ 84.5531, 89.8662,  
71.9210

■ 84.5531, 89.8662,  
71.9210

■ 79.8106, 84.9737,  
56.1817

■ 89.8696, 95.1002,  
90.3379

■ 75.6109, 80.4002,  
42.9871

95.0500, 100.0000,  
108.9000

■ 71.9293, 76.1378,  
32.2012

■ 68.7367, 72.1735,  
23.6732

■ 66.0004, 68.4934,  
17.2353

■ 63.6834, 65.0814,  
12.6958

■ 61.7420, 61.9189,  
9.8278

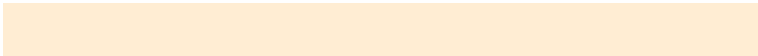
■ 60.1129, 58.9795,  
8.3021

■ 59.9321, 58.6443,  
8.1607

# Harmonies

## Analogous

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



89.7352, 89.8662, 74.0570



84.5531, 89.8662, 71.9210



79.7957, 89.8662, 76.1333

# Triad

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



84.5531, 89.8662, 71.9210



77.4515, 89.8662, 115.2492



94.8311, 89.8662, 110.5300

# Complementary

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



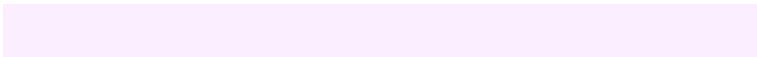
84.5531, 89.8662, 71.9210



69.1131, 71.1465, 104.6977

# 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.



91.2924, 89.8662, 123.3450



84.5531, 89.8662, 71.9210



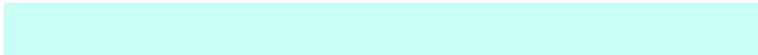
81.2360, 89.8662, 126.2583

# Square

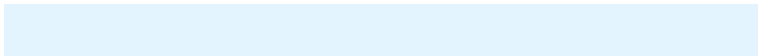
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5531, 89.8662, 71.9210



75.8035, 89.8662, 100.3471



86.2830, 89.8662, 129.3615



95.8068, 89.8662, 95.3927

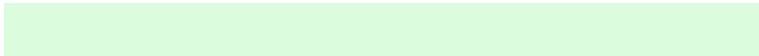


# Rectangle

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



84.5531, 89.8662, 71.9210



77.4618, 89.8662, 82.2546



86.2830, 89.8662, 129.3615



93.8950, 89.8662, 115.2995

# Sweetspot

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



84.5552, 89.8701, 71.9229



91.4761, 96.6384, 96.0364



76.3397, 71.0012, 76.6999



19.4992, 20.6079, 20.2692



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

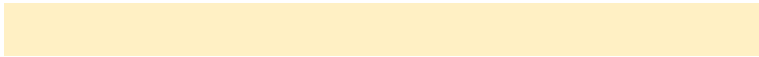


# Same Dimension

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



84.5552, 89.8701, 71.9229



82.5053, 87.7848, 65.0293



83.9851, 95.0799, 72.9585



19.1543, 20.2767, 19.0486



31.4406, 30.8924, 4.3057



3.1477, 3.1809, 0.4481



# Inverse Universe

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



69.1131, 71.1465, 104.6977



64.2017, 65.5940, 103.8848



69.5772, 66.9069, 103.8550



17.3717, 18.1151, 22.8309



10.4799, 5.8693, 50.0151



1.1026, 0.7358, 4.8972



# Previews

## White Background



This preview shows how the XYZ color 84.5531, 89.8662, 71.9210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

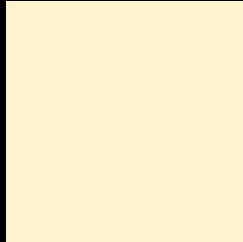
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5531, 89.8662, 71.9210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

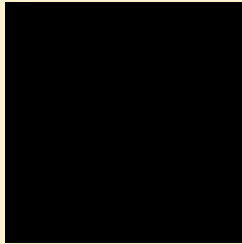
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.5531, 89.8662, 71.9210**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5531, 89.8662, 71.9210.



This preview shows how white text looks on a background with the XYZ color 84.5531, 89.8662,

71.9210.

# 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

84.5531, 89.8662, 71.9210

### Protanopia

84.9235, 90.0143, 73.8713

### Deuteranopia

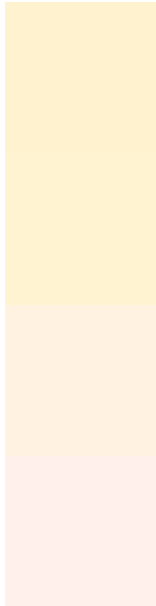
87.4033, 90.0538, 89.8663



## Tritanopia

89.5191, 89.9580, 103.9123

# Trichromacy



## Original Color

84.5531, 89.8662, 71.9210

## Protanomaly

84.7992, 89.9646, 73.2171

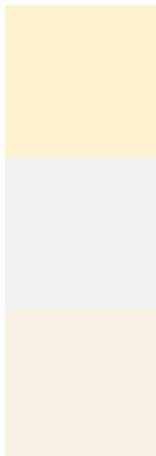
## Deuteranomaly

86.4467, 90.1461, 83.3647

## Tritanomaly

87.3955, 89.5783, 91.2814

# Monochromacy



## Original Color

84.5531, 89.8662, 71.9210

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.2528, 88.9356, 86.8544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5531, 89.8662, 71.9210 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, 207) looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5531, 89.8662, 71.9210 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, 207) }
```



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

```
.border{ border-color:rgb(255, 243, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5531, 89.8662, 71.9210 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
243, 207) }
```

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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