

# Converting Colors

XYZ(88.7605, 94.6868, 84.4040)

Have a look what the booklet for  
XYZ(88.7605, 94.6868, 84.4040)  
contains.

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# **Color**

**XYZ(88.5702, 94.3932,  
84.0726)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF9E0
RGB	255, 249, 224
RGB Percent	100%, 98%, 88%
CMY	0.0000, 0.0235, 0.1216
CMYK	0.00, 0.02, 0.12, 0.00
HSL	48°, 100%, 94%
HSV	48°, 12%, 100%
XYZ	88.5702, 94.3932, 84.0726
YIQ	247.9440, 11.6010, -6.5030

# Conversions

## Conversions Part 2

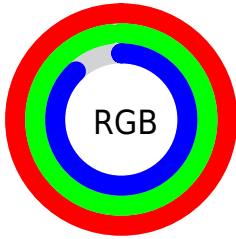
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 255, 224
Decimal	16775648
CIE Lab	97.79, -2.10, 12.71
CIE LCh	98, 12.880, 99.386
Yxy	94.3932, 0.3317, 0.3535
Android (android.graphics.Color)	4294965728 (0xFFFFF9E0)
YUV	247.9440, -11.8044, 6.1881
Hunter-Lab	97.1562, -7.2978, 16.7036

# Details

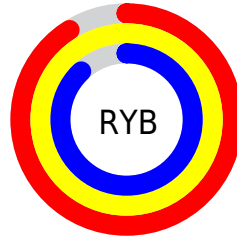
The XYZ color 88.5702, 94.3932, 84.0726 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 77.0867, 79.6588, 105.9205, and the grayscale version is 89.2662, 93.9150, 102.2734.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.5201, 53.0103, 45.1581 is the 20% darker color. If you saturate the color by 10%, you get 83.8645, 90.1074, 66.7025, and if you desaturate by 10%, it is 93.8391, 98.9745, 104.1917.

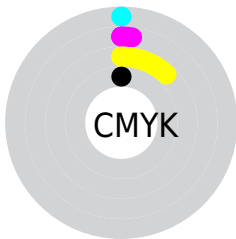
# Distribution



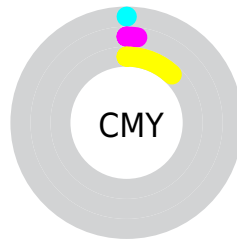
- Red (100%)
- Green (98%)
- Blue (88%)



- Red (91%)
- Yellow (100%)
- Blue (88%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.5702, 94.3932, 84.0726 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 88.5702, 94.3932, 84.0726 by changing the saturation by 10% instead.



88.5702, 94.3932,  
84.0726

88.5702, 94.3932,  
84.0726

511.6762,  
542.2205, 528.6186

67.1278, 71.6300,  
62.5296

144.2392,  
153.4260, 140.9394

49.4595, 52.8565,  
45.0222

179.1965,  
190.4645, 177.1002

35.2002, 37.6882,  
31.1319

219.3894,  
233.0301, 218.9708

23.9844, 25.7408,  
20.4400

265.1833,  
281.5074, 266.9697

15.4467, 16.6298,  
12.5280

316.9436,  
336.2807, 321.5154

9.2218, 9.9709,  
6.9775

375.0356,

4.9444, 5.3797,

397.7344, 383.0264

3.3698

439.8247,  
466.2529, 451.9213

■ 2.2491, 2.4717,  
1.2864

■ 0.7684, 0.8624,  
0.0506

■ 88.5702, 94.3932,  
84.0726

■ 88.5702, 94.3932,  
84.0726

■ 83.8645, 90.1074,  
66.7025

■ 93.8391, 98.9745,  
104.1917

■ 79.6920, 86.0952,  
51.9540

95.0500, 100.0000,  
108.9000

■ 76.0299, 82.3502,  
39.6987

■ 72.8509, 78.8611,  
29.7950

■ 70.1252, 75.6152,  
22.0871

■ 67.8193, 72.5988,  
16.4001

■ 65.8947, 69.7960,  
12.5325

■ 64.3048, 67.1875,  
10.2412

■ 63.2377, 65.2554,  
9.2626

# Harmonies

## Analogous

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



92.2295, 94.3932, 84.9724



88.5702, 94.3932, 84.0726



85.3073, 94.3932, 87.9135

# Triad

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



88.5702, 94.3932, 84.0726



84.3652, 94.3932, 116.1650



96.4973, 94.3932, 110.0709

# Complementary

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



88.5702, 94.3932, 84.0726



77.0867, 79.6588, 105.9205

# Split Complementary

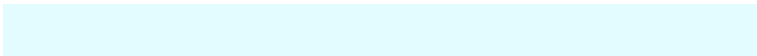
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2779, 94.3932, 119.2304



88.5702, 94.3932, 84.0726



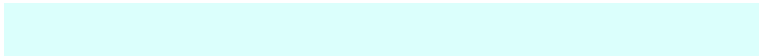
87.2524, 94.3932, 122.9122

# Square

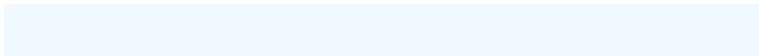
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5702, 94.3932, 84.0726



82.9237, 94.3932, 106.1147



90.8755, 94.3932, 124.0708

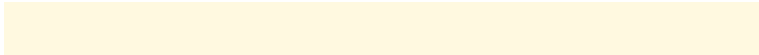


96.8735, 94.3932, 99.5123

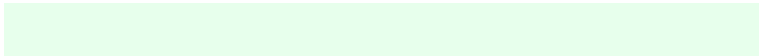


# Rectangle

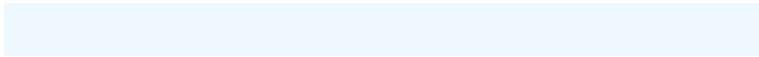
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5702, 94.3932, 84.0726



83.7715, 94.3932, 92.8105



90.8755, 94.3932, 124.0708



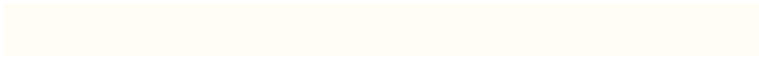
95.9392, 94.3932, 113.4351

# Sweetspot

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



88.5724, 94.3972, 84.0746



92.8249, 98.1085, 100.2706



82.2074, 80.2969, 86.1774



19.7810, 20.9242, 21.1256



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

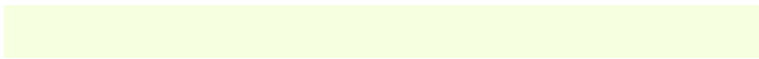
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5724, 94.3972, 84.0746



87.1777, 93.1484, 78.8600



87.1159, 96.4407, 84.5458



19.2452, 20.4586, 19.0789



33.1491, 34.3094, 4.8752



3.3005, 3.4865, 0.4990



# Inverse Universe

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



77.0867, 79.6588, 105.9205



73.2859, 75.3232, 105.2840



78.4089, 77.9068, 105.5127



17.2872, 17.9461, 22.8028



10.0924, 5.0945, 49.8860

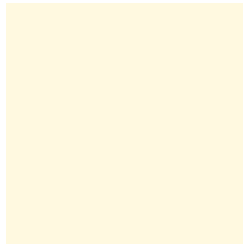


1.0538, 0.6383, 4.8809



# Previews

## White Background



This preview shows how the XYZ color 88.5702, 94.3932, 84.0726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

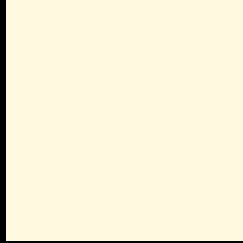
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.5702, 94.3932, 84.0726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

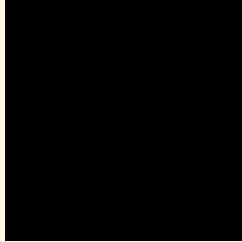
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 88.5702, 94.3932, 84.0726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.5702, 94.3932, 84.0726.



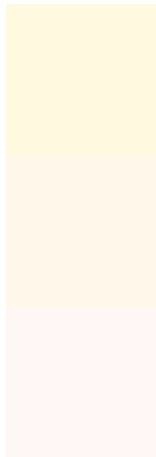
This preview shows how white text looks on a background with the XYZ color 88.5702, 94.3932,



# 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

88.5702, 94.3932, 84.0726

### Protanopia

89.6587, 94.3353, 91.3249

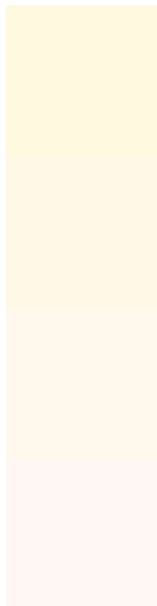
### Deuteranopia

90.9822, 94.3741, 99.8069

## **Tritanopia**

91.8788, 94.2024, 107.9481

# Trichromacy



## Original Color

88.5702, 94.3932, 84.0726

## Protanomaly

89.0903, 94.1080, 88.3320

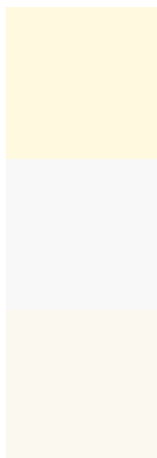
## Deuteranomaly

90.0935, 94.5092, 93.6144

## Tritanomaly

90.4629, 94.1240, 98.9878

# Monochromacy



## Original Color

88.5702, 94.3932, 84.0726

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.9311, 93.8760, 95.0941

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.5702, 94.3932, 84.0726 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, 249, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 224)  
}
```

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, 249, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 88.5702, 94.3932, 84.0726 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, 249, 224) }
```



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

```
.border{ border-color:rgb(255, 249, 224) }
```

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

Here you see how a box with a 4 pixel rgb(255, 249, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.5702, 94.3932, 84.0726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 224) }
```

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

```
.background{ background-color: rgb(255,  
249, 224) }
```

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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