

# Converting Colors

XYZ(99.8283, 100.0000,  
85.0571)

Have a look what the booklet for  
XYZ(99.8283, 100.0000, 85.0571)  
contains.

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# **Color**

**XYZ(88.7063, 94.4476,  
84.7891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9E1
RGB	255, 249, 225
RGB Percent	100%, 98%, 88%
CMY	0.0000, 0.0235, 0.1176
CMYK	0.00, 0.02, 0.12, 0.00
HSL	48°, 100%, 94%
HSV	48°, 12%, 100%
XYZ	88.7063, 94.4476, 84.7891
YIQ	248.0580, 11.2800, -6.1920

# Conversions

## Conversions Part 2

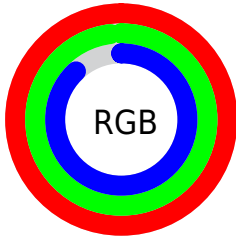
Format	Color
R <sub>Y</sub> B	233, 255, 225
Decimal	16775649
CIE Lab	97.81, -1.94, 12.23
CIE LCh	98, 12.379, 99.038
Yxy	94.4476, 0.3311, 0.3525
Android (android.graphics.Color)	4294965729 (0xFFFFF9E1)
YUV	248.0580, -11.3676, 6.0881
Hunter-Lab	97.1842, -7.1437, 16.3009

# Details

The XYZ color **88.7063, 94.4476, 84.7891** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6767, 80.3773, 106.0281**, and the grayscale version is **89.3561, 94.0095, 102.3764**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.6144, 53.0480, 45.6545** is the 20% darker color. If you saturate the color by 10%, you get **83.9312, 90.0548, 67.2976**, and if you desaturate by 10%, it is **94.0481, 99.1416, 105.0351**.

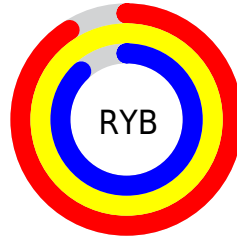
# Distribution



Red (100%)

Green (98%)

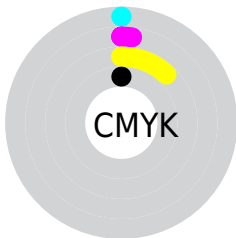
Blue (88%)



Red (91%)

Yellow (100%)

Blue (88%)

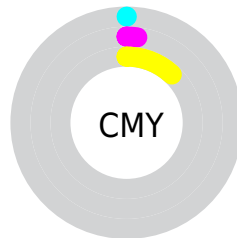


Cyan (0%)

Magenta (2%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.7063, 94.4476, 84.7891 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 88.7063, 94.4476, 84.7891 by changing the saturation by 10% instead.



88.7063, 94.4476,  
84.7891

88.7063, 94.4476,  
84.7891

512.1143,  
542.3950, 531.0563

67.2409, 71.6753,  
63.1180

144.4276,  
153.5012, 141.9500

49.5518, 52.8935,  
45.4951

179.4142,  
190.5513, 178.2769

35.2738, 37.7177,  
31.5018

219.6385,  
233.1295, 220.3261

24.0413, 25.7637,  
20.7196

265.4660,  
281.6201, 268.5163

15.4892, 16.6469,  
12.7299

317.2620,  
336.4076, 323.2658

9.2520, 9.9831,  
7.1143

375.3918,

4.9643, 5.3877,

397.8763, 384.9933

3.4542

440.2208,  
466.4106, 454.1173

■ 2.2609, 2.4765,  
1.3309

■ 0.7745, 0.8648,  
0.0870

■ 88.7063, 94.4476,  
84.7891

■ 88.7063, 94.4476,  
84.7891

■ 83.9312, 90.0548,  
67.2976

■ 94.0481, 99.1416,  
105.0351

■ 79.6929, 85.9414,  
52.4335

■ 95.0500, 100.0000,  
108.9000

■ 75.9686, 82.1010,  
40.0688

■ 72.7312, 78.5220,  
30.0624

■ 69.9509, 75.1920,  
22.2591

■ 67.5944, 72.0971,  
16.4848

■ 65.6232, 69.2214,  
12.5393

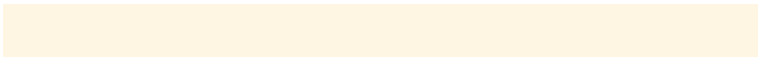
■ 63.9912, 66.5458,  
10.1815

■ 62.8446, 64.4692,  
9.1315

# Harmonies

## Analogous

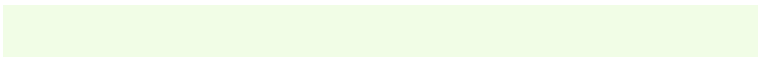
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2228, 94.4476, 85.7125



88.7063, 94.4476, 84.7891



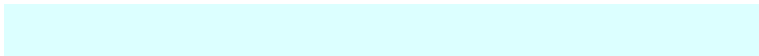
85.5571, 94.4476, 88.4489

# Triad

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



88.7063, 94.4476, 84.7891



84.5939, 94.4476, 115.5891



96.2663, 94.4476, 109.9584

# Complementary

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



88.7063, 94.4476, 84.7891



77.6767, 80.3773, 106.0281

# Split Complementary

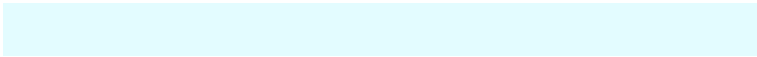
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1182, 94.4476, 118.7073



88.7063, 94.4476, 84.7891



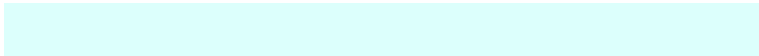
87.3603, 94.4476, 122.1035

# Square

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



88.7063, 94.4476, 84.7891



83.2241, 94.4476, 105.9251



90.8414, 94.4476, 123.2807

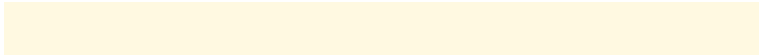


96.6496, 94.4476, 99.8102

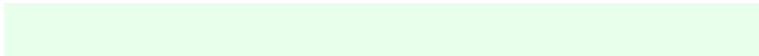


# Rectangle

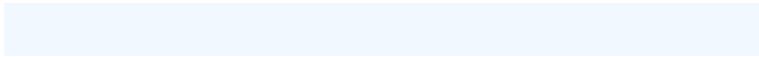
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7063, 94.4476, 84.7891



84.0674, 94.4476, 93.1459



90.8414, 94.4476, 123.2807



95.7240, 94.4476, 113.1788

# Sweetspot

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



88.7085, 94.4516, 84.7911



92.8042, 98.0669, 100.2637



82.5898, 80.8811, 86.8611



19.7757, 20.9137, 21.1238



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.



88.7085, 94.4516, 84.7911



87.5922, 93.4433, 80.6448



87.3571, 96.5493, 85.2672



19.2348, 20.4378, 19.0754



32.9461, 33.9034, 4.8076



3.2825, 3.4504, 0.4930



# Inverse Universe

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



77.6767, 80.3773, 106.0281



74.6680, 76.9552, 105.5262



78.9079, 78.5641, 105.6132



17.2969, 17.9653, 22.8060



10.1315, 5.1725, 49.8990

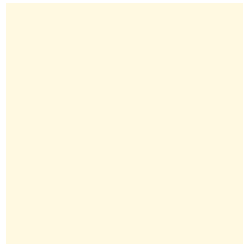


1.0589, 0.6485, 4.8826



# Previews

## White Background



This preview shows how the XYZ color 88.7063, 94.4476, 84.7891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

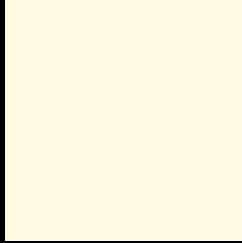
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.7063, 94.4476, 84.7891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

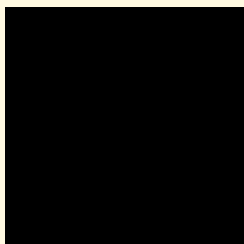
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 88.7063, 94.4476, 84.7891**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.7063, 94.4476, 84.7891.



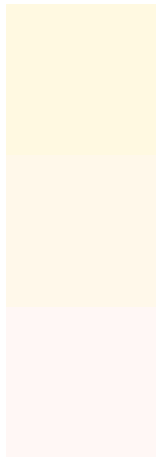
This preview shows how white text looks on a background with the XYZ color 88.7063, 94.4476,

84.7891.

# 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

88.7063, 94.4476, 84.7891

### Protanopia

89.6587, 94.3353, 91.3249

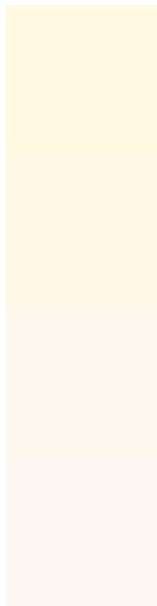
### Deuteranopia

90.9822, 94.3741, 99.8069

## Tritanopia

91.8788, 94.2024, 107.9481

# Trichromacy



## Original Color

88.7063, 94.4476, 84.7891

## Protanomaly

89.2312, 94.1643, 89.0738

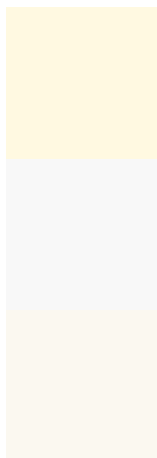
## Deuteranomaly

90.2400, 94.5678, 94.3862

## Tritanomaly

90.4629, 94.1240, 98.9878

# Monochromacy



## Original Color

88.7063, 94.4476, 84.7891

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.0792, 93.9353, 95.8744

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.7063, 94.4476, 84.7891 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, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 88.7063, 94.4476, 84.7891 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, 225) }
```



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

```
.border{ border-color:rgb(255, 249, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.7063, 94.4476, 84.7891 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
249, 225) }
```

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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