

# Converting Colors

XYZ(99.2007, 100.0000,  
82.6884)

Have a look what the booklet for  
XYZ(99.2007, 100.0000, 82.6884)  
contains.

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# Color

**XYZ(88.1668, 94.2318,  
81.9483)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF9DD
RGB	255, 249, 221
RGB Percent	100%, 98%, 87%
CMY	0.0000, 0.0235, 0.1333
CMYK	0.00, 0.02, 0.13, 0.00
HSL	49°, 100%, 93%
HSV	49°, 13%, 100%
XYZ	88.1668, 94.2318, 81.9483
YIQ	247.6020, 12.5640, -7.4360

# Conversions

## Conversions Part 2

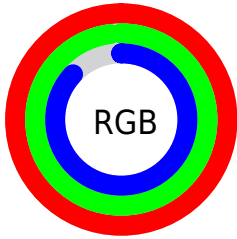
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 255, 221
Decimal	16775645
CIE Lab	97.73, -2.56, 14.15
CIE LCh	98, 14.384, 100.265
Yxy	94.2318, 0.3335, 0.3565
Android (android.graphics.Color)	4294965725 (0xFFFFF9DD)
YUV	247.6020, -13.1148, 6.4880
Hunter-Lab	97.0731, -7.7549, 17.8990

# Details

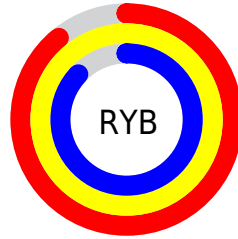
The XYZ color **88.1668, 94.2318, 81.9483** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.3373, 77.5283, 105.6015**, and the grayscale version is **88.9966, 93.6314, 101.9646**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.2416, 52.8989, 43.6916** is the 20% darker color. If you saturate the color by 10%, you get **83.6518, 90.2320, 64.9354**, and if you desaturate by 10%, it is **93.2356, 98.5125, 101.6940**.

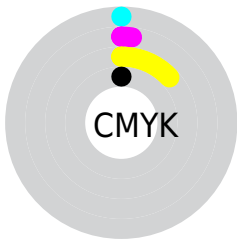
# Distribution



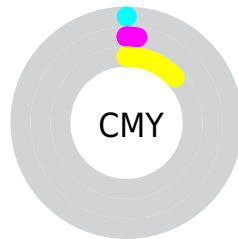
- Red (100%)
- Green (98%)
- Blue (87%)



- 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 88.1668, 94.2318, 81.9483 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 88.1668, 94.2318, 81.9483 by changing the saturation by 10% instead.




 88.1668, 94.2318,  
81.9483

 88.1668, 94.2318,  
81.9483


510.3765,  
541.7027, 521.3536

 66.7925, 71.4958,  
60.7874


143.6807,  
153.2029, 137.9375

 49.1861, 52.7469,  
43.6241


178.5510,  
190.2067, 173.6029

 34.9822, 37.6007,  
30.0401


218.6506,  
232.7353, 214.9401

 23.8156, 25.6730,  
19.6167

264.3449,  
281.1730, 262.3678

 15.3209, 16.5791,  
11.9354

315.9993,  
335.9041, 316.3045

 9.1327, 9.9349,  
6.5777

373.9792,

 4.8856, 5.3558,

397.3132, 377.1686

3.1250

438.6498,  
465.7846, 445.3788

■ 2.2144, 2.4575,  
1.1588

■ 0.7503, 0.8552,  
0.0000

■ 88.1668, 94.2318,  
81.9483

■ 88.1668, 94.2318,  
81.9483

■ 83.6518, 90.2320,  
64.9354

■ 93.2356, 98.5125,  
101.6940

■ 79.6604, 86.4914,  
50.5271

95.0500, 100.0000,  
108.9000

■ 76.1698, 83.0036,  
38.5939

■ 73.1525, 79.7572,  
28.9925

■ 70.5784, 76.7398,  
21.5653

■ 68.4134, 73.9374,  
16.1347

■ 66.6185, 71.3339,  
12.4955

■ 65.1459, 68.9099,  
10.3978

■ 64.2975, 67.3750,  
9.6158

# Harmonies

## Analogous

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



92.2534, 94.2318, 82.7817



88.1668, 94.2318, 81.9483



84.5645, 94.2318, 86.3183

# Triad

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



88.1668, 94.2318, 81.9483



83.6818, 94.2318, 117.8999



97.1929, 94.2318, 110.4178

# Complementary

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



88.1668, 94.2318, 81.9483



75.3373, 77.5283, 105.6015

# Split Complementary

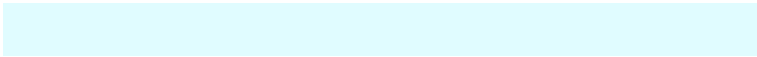
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.7578, 94.2318, 120.8156



88.1668, 94.2318, 81.9483



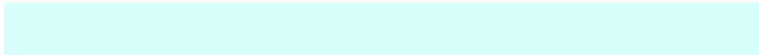
86.9284, 94.2318, 125.3584

# Square

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



88.1668, 94.2318, 81.9483



82.0280, 94.2318, 106.6792



90.9769, 94.2318, 126.4644

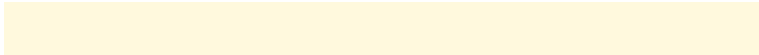


97.5491, 94.2318, 98.6309

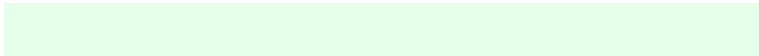


# Rectangle

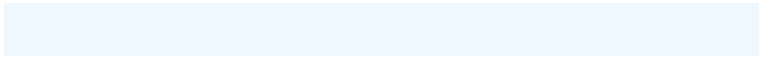
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.1668, 94.2318, 81.9483



82.8911, 94.2318, 91.8051



90.9769, 94.2318, 126.4644



96.5868, 94.2318, 114.2148

# Sweetspot

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



88.1690, 94.2358, 81.9503



92.8799, 98.2184, 100.2890



80.9946, 78.5330, 83.7327



19.7950, 20.9521, 21.1302



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.



88.1690, 94.2358, 81.9503



86.9113, 93.1415, 77.1497



86.2009, 96.0155, 82.3976



19.2728, 20.5137, 19.0881



33.6962, 35.4036, 5.0576



3.3491, 3.5835, 0.5152



# Inverse Universe

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



75.3373, 77.5283, 105.6015



71.8003, 73.4669, 105.0040



77.1104, 76.0509, 105.2229



17.2619, 17.8954, 22.7943



9.9955, 4.9005, 49.8537

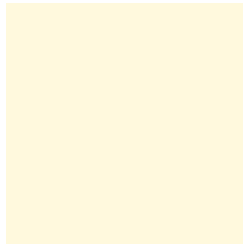


1.0407, 0.6122, 4.8766



# Previews

## White Background



This preview shows how the XYZ color 88.1668, 94.2318, 81.9483 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 88.1668, 94.2318, 81.9483 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

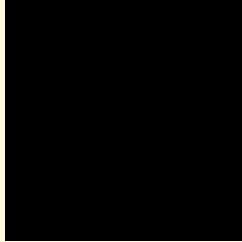
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.1668, 94.2318, 81.9483

## Background



This preview shows how black text looks on a background with the XYZ color 88.1668, 94.2318, 81.9483.



This preview shows how white text looks on a background with the XYZ color 88.1668, 94.2318,

81.9483.

# 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

88.1668, 94.2318, 81.9483

### Protanopia

89.3729, 94.2210, 89.8199

### Deuteranopia

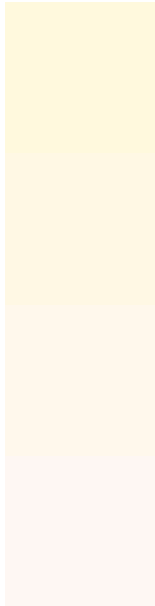
90.8299, 94.3132, 99.0050



## Tritanopia

91.8788, 94.2024, 107.9481

# Trichromacy



## Original Color

88.1668, 94.2318, 81.9483

## Protanomaly

88.8110, 93.9962, 86.8610

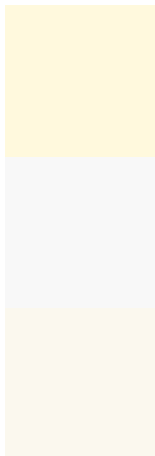
## Deuteranomaly

89.9477, 94.4509, 92.8470

## Tritanomaly

90.3115, 94.0634, 98.1902

# Monochromacy



## Original Color

88.1668, 94.2318, 81.9483

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.7837, 93.8171, 94.3180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.1668, 94.2318, 81.9483 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 88.1668, 94.2318, 81.9483 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, 221) }
```



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

```
.border{ border-color:rgb(255, 249, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.1668, 94.2318, 81.9483 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
249, 221) }
```

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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