

# Converting Colors

XYZ(99.0155, 100.0000,  
83.2411)

Have a look what the booklet for  
XYZ(99.0155, 100.0000, 83.2411)  
contains.

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# Color

**XYZ(88.3005, 94.2853,  
82.6522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9DE
RGB	255, 249, 222
RGB Percent	100%, 98%, 87%
CMY	0.0000, 0.0235, 0.1294
CMYK	0.00, 0.02, 0.13, 0.00
HSL	49°, 100%, 94%
HSV	49°, 13%, 100%
XYZ	88.3005, 94.2853, 82.6522
YIQ	247.7160, 12.2430, -7.1250

# Conversions

## Conversions Part 2

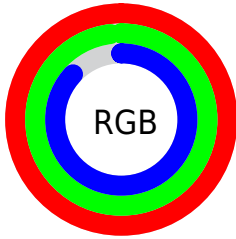
Format	Color
<a href="#">RYB</a>	229, 255, 222
Decimal	16775646
CIELab	97.75, -2.41, 13.67
CIELCh	98, 13.883, 99.996
Yxy	94.2853, 0.3329, 0.3555
Android (android.graphics.Color)	4294965726 (0xFFFFF9DE)
YUV	247.7160, -12.6780, 6.3881
Hunter-Lab	97.1006, -7.6033, 17.5027

# Details

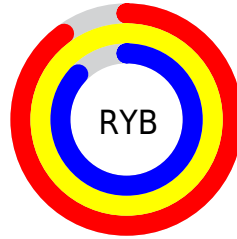
The XYZ color **88.3005, 94.2853, 82.6522** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.9170, 78.2343, 105.7072**, and the grayscale version is **89.0864, 93.7258, 102.0674**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.3337, 52.9357, 44.1767** is the 20% darker color. If you saturate the color by 10%, you get **83.7245, 90.1954, 65.5213**, and if you desaturate by 10%, it is **93.4331, 98.6605, 102.5213**.

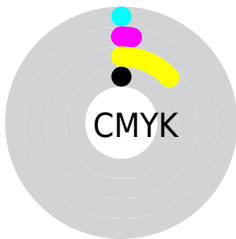
# Distribution



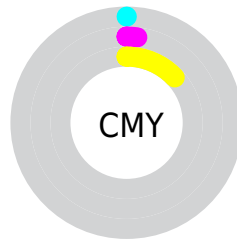
- Red (100%)
- Green (98%)
- Blue (87%)



- Red (90%)
- 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 88.3005, 94.2853, 82.6522 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 88.3005, 94.2853, 82.6522 by changing the saturation by 10% instead.




 88.3005, 94.2853,  
82.6522

 88.3005, 94.2853,  
82.6522


510.8075,  
541.8744, 523.7673

 66.9036, 71.5403,  
61.3643


143.8658,  
153.2768, 138.9331

 49.2767, 52.7832,  
44.0868


178.7650,  
190.2922, 174.7632

 35.0545, 37.6297,  
30.4011


218.8955,  
232.8330, 216.2778

 23.8715, 25.6954,  
19.8886

264.6229,  
281.2838, 263.8955

 15.3626, 16.5959,  
12.1308

316.3124,  
336.0290, 318.0347

 9.1622, 9.9468,  
6.7092

374.3295,

 4.9051, 5.3637,

397.4529, 379.1141

3.2052

439.0394,  
465.9399, 447.5521

■ 2.2259, 2.4622,  
1.2004

■ 0.7563, 0.8576,  
0.0000

■ 88.3005, 94.2853,  
82.6522

■ 88.3005, 94.2853,  
82.6522

■ 83.7245, 90.1954,  
65.5213

■ 93.4331, 98.6605,  
102.5213

■ 79.6753, 86.3691,  
51.0006

95.0500, 100.0000,  
108.9000

■ 76.1297, 82.8000,  
38.9610

■ 73.0606, 79.4768,  
29.2598

■ 70.4378, 76.3869,  
21.7398

■ 68.2276, 73.5165,  
16.2247

■ 66.3910, 70.8495,  
12.5102

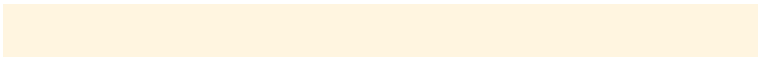
■ 64.8807, 68.3666,  
10.3489

■ 63.9626, 66.7051,  
9.5042

# Harmonies

## Analogous

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



92.2448, 94.2853, 83.5071



88.3005, 94.2853, 82.6522



84.8111, 94.2853, 86.8482

# Triad

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



88.3005, 94.2853, 82.6522



83.9091, 94.2853, 117.3203



96.9605, 94.2853, 110.3007

# Complementary

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



88.3005, 94.2853, 82.6522



75.9170, 78.2343, 105.7072

# Split Complementary

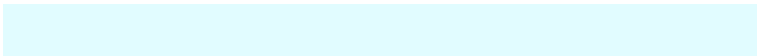
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.5977, 94.2853, 120.2846



88.3005, 94.2853, 82.6522



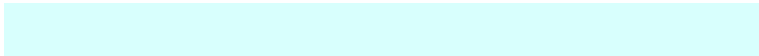
87.0364, 94.2853, 124.5396

# Square

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



88.3005, 94.2853, 82.6522



82.3256, 94.2853, 106.4915



90.9432, 94.2853, 125.6627



97.3232, 94.2853, 98.9228



# Rectangle

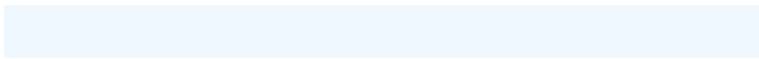
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.3005, 94.2853, 82.6522



83.1834, 94.2853, 92.1399



90.9432, 94.2853, 125.6627



96.3706, 94.2853, 113.9532

# Sweetspot

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



88.3027, 94.2893, 82.6542



92.8627, 98.1840, 100.2832



81.3725, 79.1079, 84.4169



19.7906, 20.9434, 21.1288



0.0000, 0.0000, 0.0000

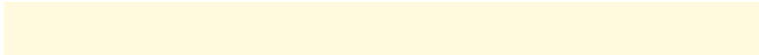


20.3446, 21.4041, 23.3091

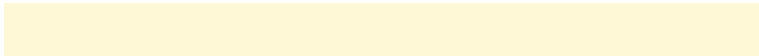


# Same Dimension

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



88.3027, 94.2893, 82.6542



86.8444, 93.0077, 77.1274



86.4447, 96.1258, 83.1066



19.2641, 20.4965, 19.0852



33.5233, 35.0578, 5.0000



3.3337, 3.5529, 0.5101



# Inverse Universe

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



75.9170, 78.2343, 105.7072



71.8580, 73.5823, 105.0232



77.5972, 76.6950, 105.3215



17.2698, 17.9112, 22.7969



10.0249, 4.9593, 49.8635

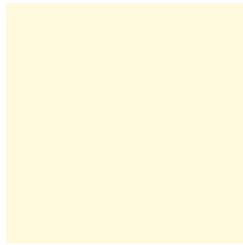


1.0447, 0.6202, 4.8779



# Previews

## White Background



This preview shows how the XYZ color 88.3005, 94.2853, 82.6522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

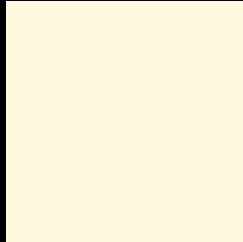
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.3005, 94.2853, 82.6522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

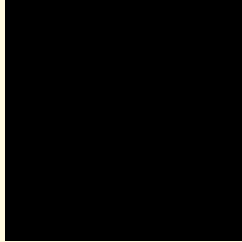
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 88.3005, 94.2853, 82.6522

## Background



This preview shows how black text looks on a background with the XYZ color 88.3005, 94.2853, 82.6522.



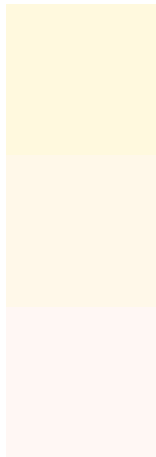
This preview shows how white text looks on a background with the XYZ color 88.3005, 94.2853,

82.6522.

# 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

88.3005, 94.2853, 82.6522

### Protanopia

89.5154, 94.2780, 90.5703

### Deuteranopia

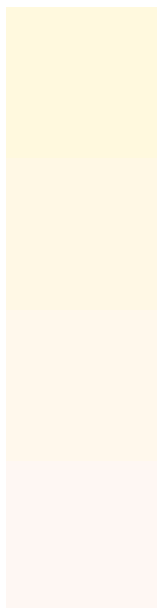
90.8299, 94.3132, 99.0050



## Tritanopia

91.8788, 94.2024, 107.9481

# Trichromacy



## Original Color

88.3005, 94.2853, 82.6522

## Protanomaly

88.9503, 94.0519, 87.5944

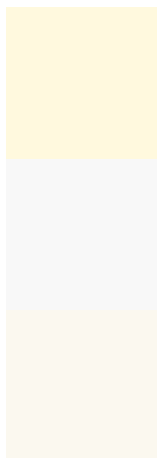
## Deuteranomaly

89.9477, 94.4509, 92.8470

## Tritanomaly

90.3115, 94.0634, 98.1902

# Monochromacy



## Original Color

88.3005, 94.2853, 82.6522

## 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 88.3005, 94.2853, 82.6522 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, 222) looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 88.3005, 94.2853, 82.6522 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, 222) }
```



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

```
.border{ border-color:rgb(255, 249, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.3005, 94.2853, 82.6522 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
249, 222) }
```

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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