

# Converting Colors

XYZ(93.6017, 96.6124, 88.5535)

Have a look what the booklet for  
XYZ(93.6017, 96.6124, 88.5535)  
contains.

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# Color

**XYZ(89.0903, 94.1080,  
88.3320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8E6
RGB	255, 248, 230
RGB Percent	100%, 97%, 90%
CMY	0.0000, 0.0274, 0.0980
CMYK	0.00, 0.03, 0.10, 0.00
HSL	43°, 100%, 95%
HSV	43°, 10%, 100%
XYZ	89.0903, 94.1080, 88.3320
YIQ	248.0410, 9.9500, -4.1140

# Conversions

## Conversions Part 2

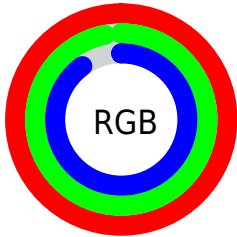
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 255, 230
Decimal	16775398
CIE <sub>Lab</sub>	97.68, -0.65, 9.46
CIE <sub>LCh</sub>	98, 9.484, 93.941
Yxy	94.1080, 0.3281, 0.3466
Android (android.graphics.Color)	4294965478 (0xFFFFF8E6)
YUV	248.0410, -8.8942, 6.1030
Hunter-Lab	97.0093, -5.8374, 13.9199

# Details

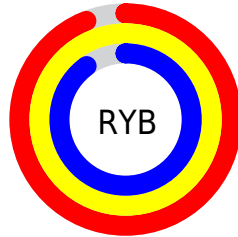
The XYZ color 89.0903, 94.1080, 88.3320 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.9666, 84.6091, 106.6715, and the grayscale version is 89.3234, 93.9751, 102.3389.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8762, 52.8002, 48.1201 is the 20% darker color. If you saturate the color by 10%, you get 83.6169, 88.4787, 70.1138, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

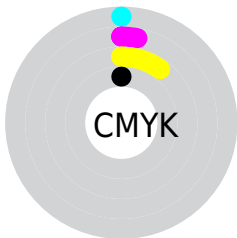
# Distribution



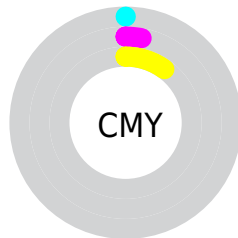
- Red (100%)
- Green (97%)
- Blue (90%)



- Red (94%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.0903, 94.1080, 88.3320 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 89.0903, 94.1080, 88.3320 by changing the saturation by 10% instead.




 89.0903, 94.1080,  
88.3320

 89.0903, 94.1080,  
88.3320


513.3493,  
541.3054, 543.0193

 67.5602, 71.3928,  
66.0322


144.9589,  
153.0317, 146.9345

 49.8124, 52.6628,  
47.8419


180.0281,  
190.0090, 184.0742

 35.4815, 37.5337,  
33.3426


220.3411,  
232.5090, 226.9976

 24.2023, 25.6209,  
22.1157

266.2631,  
280.9163, 276.1233

 15.6093, 16.5403,  
13.7428

318.1596,  
335.6152, 331.8698

 9.3372, 9.9073,  
7.8053

376.3959,

 5.0206, 5.3375,

396.9901, 394.6556

3.8846

441.3373,  
465.4253, 464.8992

■ 2.2943, 2.4466,  
1.5623

■ 0.7917, 0.8497,  
0.2637

■ 89.0903, 94.1080,  
88.3320

■ 89.0903, 94.1080,  
88.3320

■ 83.6169, 88.4787,  
70.1138

95.0500, 100.0000,  
108.9000

■ 78.7252, 83.2113,  
54.5609

■ 74.3922, 78.2983,  
41.5470

■ 70.5907, 73.7271,  
30.9329

■ 67.2907, 69.4843,  
22.5665

■ 64.4592, 65.5550,  
16.2775

■ 62.0582, 61.9225,  
11.8717

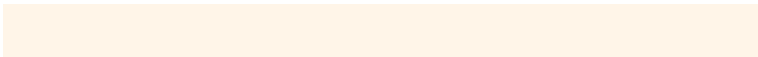
■ 60.0427, 58.5671,  
9.1174

■ 58.3416, 55.4587,  
7.6441

# Harmonies

## Analogous

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



91.7481, 94.1080, 89.6766



89.0903, 94.1080, 88.3320



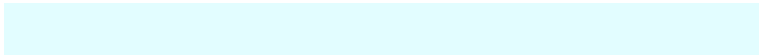
86.5779, 94.1080, 90.6154

# Triad

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



89.0903, 94.1080, 88.3320



85.2065, 94.1080, 110.9998



94.1946, 94.1080, 109.1423

# Complementary

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



89.0903, 94.1080, 88.3320



80.9666, 84.6091, 106.6715

# Split Complementary

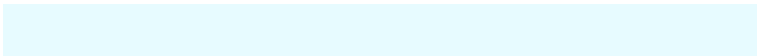
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3784, 94.1080, 115.3108



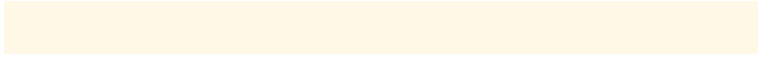
89.0903, 94.1080, 88.3320



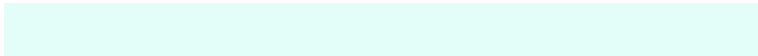
87.1844, 94.1080, 116.4205

# Square

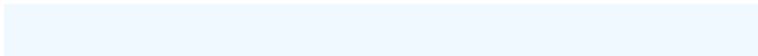
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0903, 94.1080, 88.3320



84.3644, 94.1080, 103.4935



89.8043, 94.1080, 118.0361

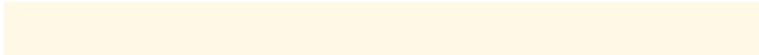


94.7294, 94.1080, 101.4486

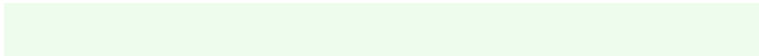


# Rectangle

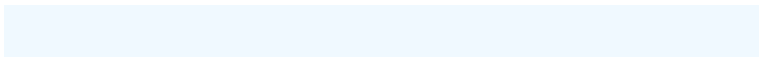
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0903, 94.1080, 88.3320



85.3132, 94.1080, 93.9586



89.8043, 94.1080, 118.0361



93.7119, 94.1080, 111.4755

# Sweetspot

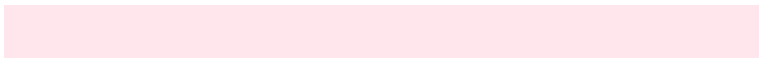
The Sweet Spot groups the original color and five complimentary colors.



89.0925, 94.1119, 88.3340



93.1636, 98.1591, 102.3155



84.8358, 83.9740, 91.9229



19.8350, 20.9060, 21.5324



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

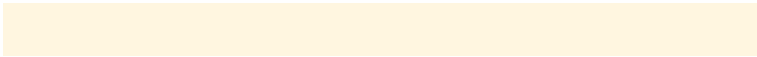


# Same Dimension

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



89.0925, 94.1119, 88.3340



87.8384, 92.8425, 84.0966



89.3185, 97.4804, 88.9723



19.1064, 20.1811, 19.0327



30.6006, 29.2124, 4.0257



3.0718, 3.0290, 0.4227



# Inverse Universe

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



80.9666, 84.6091, 106.6715



78.0425, 81.3870, 106.2037



80.7465, 81.5481, 106.0923



17.4167, 18.2050, 22.8459



10.7278, 6.3652, 50.0978

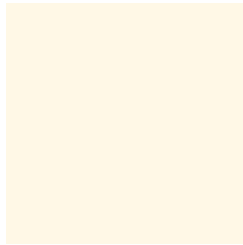


1.1320, 0.7946, 4.9070



# Previews

## White Background



This preview shows how the XYZ color 89.0903, 94.1080, 88.3320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

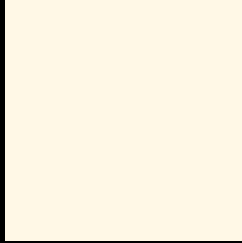
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.0903, 94.1080, 88.3320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

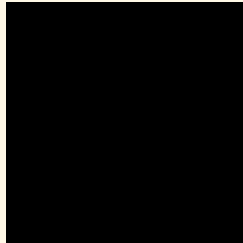
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.0903, 94.1080, 88.3320

## Background



This preview shows how black text looks on a background with the XYZ color 89.0903, 94.1080, 88.3320.



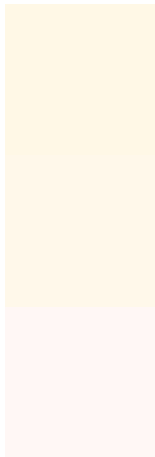
This preview shows how white text looks on a background with the XYZ color 89.0903, 94.1080,



# 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

89.0903, 94.1080, 88.3320

### Protanopia

89.6587, 94.3353, 91.3249

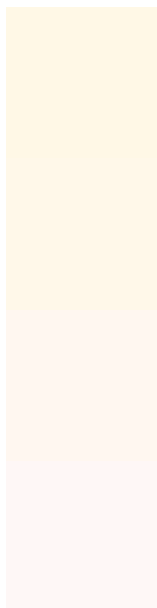
### Deuteranopia

90.9822, 94.3741, 99.8069

## **Tritanopia**

91.8788, 94.2024, 107.9481

# Trichromacy



## Original Color

89.0903, 94.1080, 88.3320

## Protanomaly

89.5154, 94.2780, 90.5703

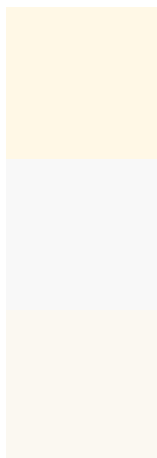
## Deuteranomaly

90.2289, 94.0728, 95.8404

## Tritanomaly

90.7684, 94.2462, 100.5961

# Monochromacy



## Original Color

89.0903, 94.1080, 88.3320

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.2282, 93.9949, 96.6591

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.0903, 94.1080, 88.3320 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, 248, 230) looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 230)  
}
```

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, 248, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 89.0903, 94.1080, 88.3320 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, 248, 230) }
```



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

```
.border{ border-color:rgb(255, 248, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.0903, 94.1080, 88.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 230) }
```

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

```
.background{ background-color: rgb(255,  
248, 230) }
```

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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