

# Converting Colors

XYZ(95.8547, 97.1791, 94.0424)

Have a look what the booklet for  
XYZ(95.8547, 97.1791, 94.0424)  
contains.

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# Color

**XYZ(89.7868, 93.8960,  
93.5122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7ED
RGB	255, 247, 237
RGB Percent	100%, 97%, 93%
CMY	0.0000, 0.0313, 0.0706
CMYK	0.00, 0.03, 0.07, 0.00
HSL	33°, 100%, 96%
HSV	33°, 7%, 100%
XYZ	89.7868, 93.8960, 93.5122
YIQ	248.2520, 7.9780, -1.4140

# Conversions

## Conversions Part 2

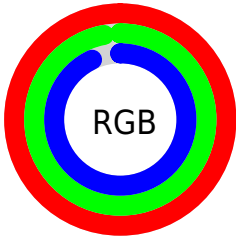
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 255, 237
Decimal	16775149
CIE Lab	97.59, 0.99, 5.74
CIE LCh	98, 5.822, 80.227
Yxy	93.8960, 0.3239, 0.3387
Android (android.graphics.Color)	4294965229 (0xFFFFF7ED)
YUV	248.2520, -5.5472, 5.9180
Hunter-Lab	96.8999, -4.1781, 10.6128

# Details

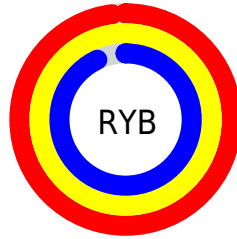
The XYZ color 89.7868, 93.8960, 93.5122 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.6267, 90.5269, 107.5682, and the grayscale version is 89.4706, 94.1301, 102.5076.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2600, 52.6036, 51.2206 is the 20% darker color. If you saturate the color by 10%, you get 82.9645, 85.7956, 74.1458, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

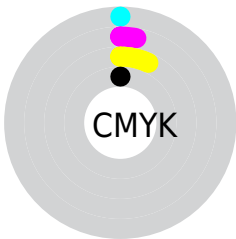
# Distribution



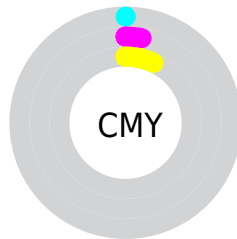
- Red (100%)
- Green (97%)
- Blue (93%)



- Red (98%)
- Yellow (100%)
- Blue (93%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.7868, 93.8960, 93.5122 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 89.7868, 93.8960, 93.5122 by changing the saturation by 10% instead.




 89.7868, 93.8960,  
93.5122

 89.7868, 93.8960,  
93.5122


515.5853,  
540.6246, 560.2531

 68.1395, 71.2165,  
70.3073


145.9221,  
152.7385, 154.1854

 50.2853, 52.5189,  
51.2987


181.1408,  
189.6703, 192.4907

 35.8589, 37.4188,  
36.0680


221.6140,  
232.1215, 236.6666

 24.4948, 25.5319,  
24.1966

267.7071,  
280.4767, 287.1316

 15.8278, 16.4738,  
15.2660

319.7854,  
335.1202, 344.3042

 9.4925, 9.8600,  
8.8576

378.2143,

 5.1234, 5.3063,

396.4364, 408.6029

4.5529

443.3592,  
464.8098, 480.4464

■ 2.3554, 2.4281,  
1.9333

■ 0.8228, 0.8403,  
0.5138

■ 89.7868, 93.8960,  
93.5122

■ 89.7868, 93.8960,  
93.5122

■ 82.9645, 85.7956,  
74.1458

95.0500, 100.0000,  
108.9000

■ 76.8543, 78.3077,  
57.5196

■ 71.4309, 71.4191,  
43.5087

■ 66.6644, 65.1116,  
31.9765

■ 62.5230, 59.3660,  
22.7735

■ 58.9710, 54.1615,  
15.7340

■ 55.9689, 49.4753,  
10.6700

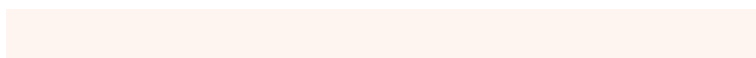
■ 53.4705, 45.2818,  
7.3610

■ 51.4182, 41.5505,  
5.5254

# Harmonies

## Analogous

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



91.2975, 93.8960, 95.3880



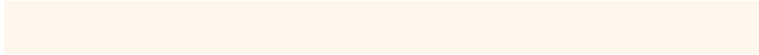
89.7868, 93.8960, 93.5122



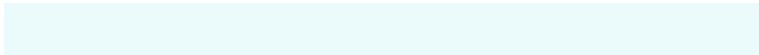
88.1491, 93.8960, 93.9180

# Triad

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



89.7868, 93.8960, 93.5122



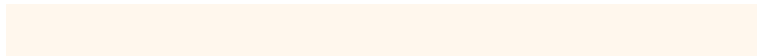
86.2913, 93.8960, 105.4217



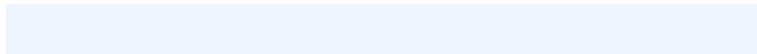
91.7146, 93.8960, 108.1813

# Complementary

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



89.7868, 93.8960, 93.5122



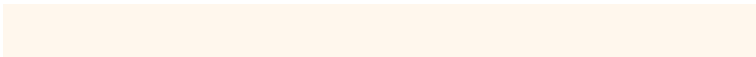
85.6267, 90.5269, 107.5682

# Split Complementary

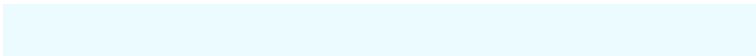
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3506, 93.8960, 111.0329



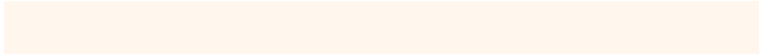
89.7868, 93.8960, 93.5122



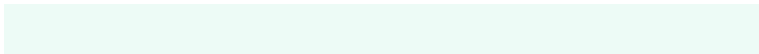
87.2241, 93.8960, 109.4058

# Square

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



89.7868, 93.8960, 93.5122



86.1446, 93.8960, 100.6970



88.7060, 93.8960, 111.4878

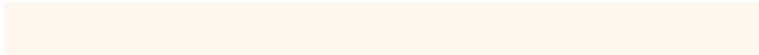


92.4196, 93.8960, 103.7922



# Rectangle

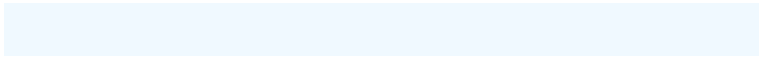
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



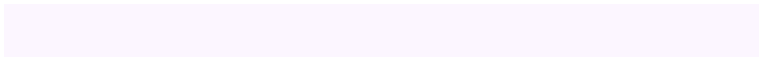
89.7868, 93.8960, 93.5122



87.2051, 93.8960, 95.4324



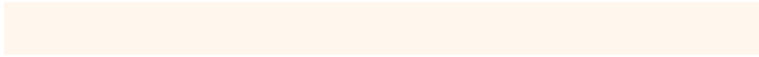
88.7060, 93.8960, 111.4878



91.3172, 93.8960, 109.3571

# Sweetspot

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



89.7890, 93.8999, 93.5142



93.5213, 98.2391, 104.3932



88.0215, 88.4281, 98.8961



20.0335, 21.0458, 22.3917



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

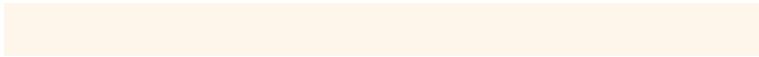


# Same Dimension

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



89.7890, 93.8999, 93.5142



89.1150, 93.1098, 91.5697



91.9560, 98.7242, 94.3312



18.8468, 19.6617, 18.9461



26.7347, 21.4805, 2.7371

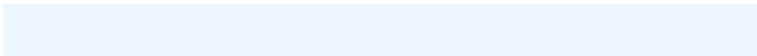


2.7121, 2.3095, 0.3028

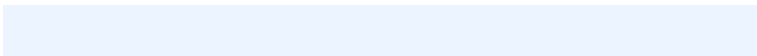


# Inverse Universe

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



85.6267, 90.5269, 107.5682



84.4276, 89.3114, 107.3967



83.5616, 85.9495, 106.7935



17.6671, 18.7057, 22.9294



12.6754, 10.2604, 50.7470

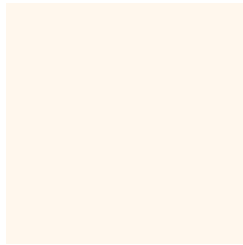


1.3411, 1.2128, 4.9767



# Previews

## White Background



This preview shows how the XYZ color 89.7868, 93.8960, 93.5122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

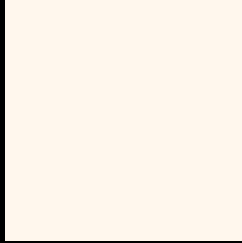
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.7868, 93.8960, 93.5122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

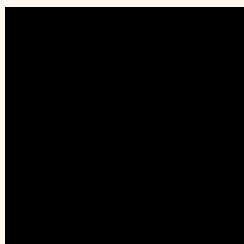
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 89.7868, 93.8960, 93.5122**

## **Background**



This preview shows how black text looks on a background with the XYZ color 89.7868, 93.8960, 93.5122.



This preview shows how white text looks on a background with the XYZ color 89.7868, 93.8960,



# 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**

89.7868, 93.8960, 93.5122

**Protanopia**

89.7868, 93.8960, 93.5122

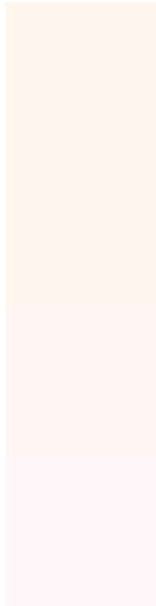
**Deuteranopia**

90.8303, 93.8254, 100.5116

## **Tritanopia**

91.5138, 94.0142, 107.9310

# Trichromacy



## Original Color

89.7868, 93.8960, 93.5122

## Protanomaly

89.7868, 93.8960, 93.5122

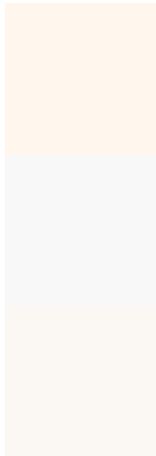
## Deuteranomaly

90.3734, 93.6426, 98.1057

## Tritanomaly

90.7721, 93.7597, 102.1202

# Monochromacy



## Original Color

89.7868, 93.8960, 93.5122

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.6802, 94.1757, 99.0390

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.7868, 93.8960, 93.5122 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, 247, 237) looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 237)  
}
```

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, 247, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 89.7868, 93.8960, 93.5122 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, 247, 237) }
```



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

```
.border{ border-color:rgb(255, 247, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.7868, 93.8960, 93.5122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 237) }
```

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

```
.background{ background-color: rgb(255,  
247, 237) }
```

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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