

# Converting Colors

XYZ(90.4107, 95.0448, 97.5847)

Have a look what the booklet for  
XYZ(90.4107, 95.0448, 97.5847)  
contains.

<b>XYZ(90.4107, 95.0448, 97.5847)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(90.4107, 95.0448,  
97.5847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDF9F2
RGB	253, 249, 242
RGB Percent	99%, 98%, 95%
CMY	0.0078, 0.0235, 0.0510
CMYK	0.00, 0.02, 0.04, 0.01
HSL	38°, 73%, 97%
HSV	38°, 4%, 99%
XYZ	90.4107, 95.0448, 97.5847
YIQ	249.3980, 4.6310, -1.3290

# Conversions

## Conversions Part 2

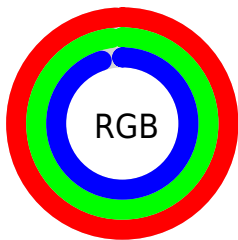
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 253, 242
Decimal	16644594
CIE Lab	98.05, 0.13, 3.81
CIE LCh	98, 3.815, 87.998
Yxy	95.0448, 0.3194, 0.3358
Android (android.graphics.Color)	4294834674 (0xFFFFDF9F2)
YUV	249.3980, -3.6472, 3.1590
Hunter-Lab	97.4909, -5.0726, 8.8966

# Details

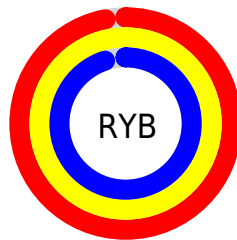
The XYZ color 90.4107, 95.0448, 97.5847 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.3033, 91.8793, 106.0628, and the grayscale version is 90.3986, 95.1064, 103.5709.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6978, 53.4209, 54.0936 is the 20% darker color. If you saturate the color by 10%, you get 84.1002, 88.0892, 78.0127, and if you desaturate by 10%, it is 94.3185, 99.6229, 108.8658.

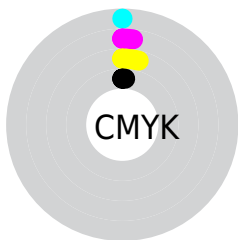
# Distribution



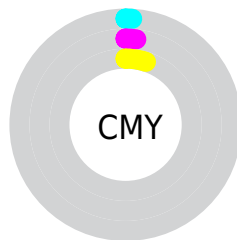
- Red (99%)
- Green (98%)
- Blue (95%)



- Red (97%)
- Yellow (99%)
- Blue (95%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (1%)




- Cyan (1%)
- Magenta (2%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.4107, 95.0448, 97.5847 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 90.4107, 95.0448, 97.5847 by changing the saturation by 10% instead.




 90.4107, 95.0448,  
97.5847

 90.4107, 95.0448,  
97.5847


517.5839,  
544.3084, 573.6013

 68.6587, 72.1723,  
73.6794


146.7842,  
154.3265, 159.8568

 50.7095, 53.2994,  
54.0364


182.1364,  
191.5044, 199.0607

 36.1975, 38.0418,  
38.2374


222.7528,  
234.2196, 244.2012

 24.7576, 26.0152,  
25.8638

268.9986,  
282.8565, 295.6968

 16.0243, 16.8350,  
16.4969

321.2393,  
337.7994, 353.9660

 9.6323, 10.1169,  
9.7183

379.8402,

 5.2163, 5.4765,

399.4328, 419.4275

5.1094

445.1666,  
468.1410, 492.4998

■ 2.4108, 2.5295,  
2.2517

■ 0.8505, 0.8914,  
0.7040

■ 90.4107, 95.0448,  
97.5847

■ 90.4107, 95.0448,  
97.5847

■ 84.1002, 88.0892,  
78.0127

94.3185, 99.6229,  
108.8658

■ 78.4283, 81.6052,  
61.1399

■ 73.3727, 75.5837,  
46.8471

■ 68.9068, 70.0107,  
35.0035

■ 65.0015, 64.8713,  
25.4667

■ 61.6249, 60.1493,  
18.0797

■ 58.7415, 55.8268,  
12.6656

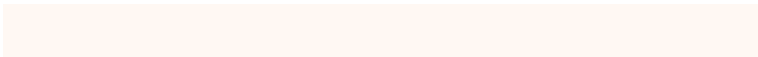
■ 56.3100, 51.8838,  
9.0188

■ 54.2804, 48.2966,  
6.8875

# Harmonies

## Analogous

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



91.4562, 95.0448, 98.4639



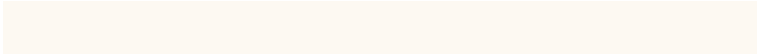
90.4107, 95.0448, 97.5847



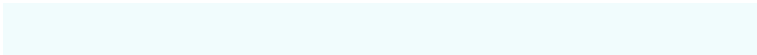
89.3536, 95.0448, 98.2605

# Triad

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



90.4107, 95.0448, 97.5847



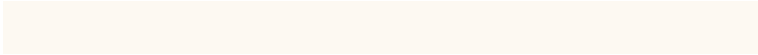
88.4931, 95.0448, 106.3407



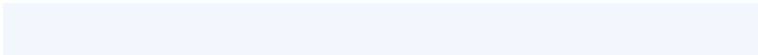
92.1323, 95.0448, 106.7122

# Complementary

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



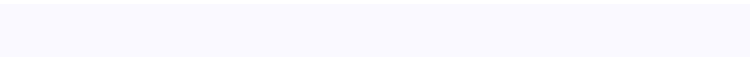
90.4107, 95.0448, 97.5847



87.3033, 91.8793, 106.0628

# Split Complementary

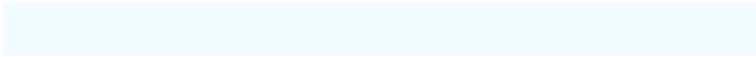
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.3280, 95.0448, 108.8969



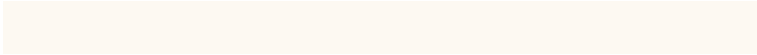
90.4107, 95.0448, 97.5847



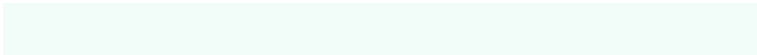
89.2274, 95.0448, 108.6794

# Square

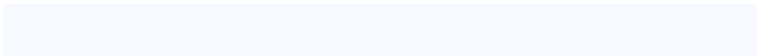
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.4107, 95.0448, 97.5847



88.2519, 95.0448, 103.2774



90.2638, 95.0448, 109.6239

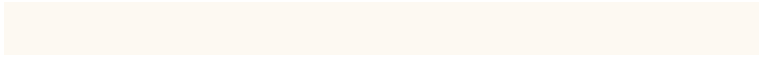


92.4552, 95.0448, 103.6981



# Rectangle

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



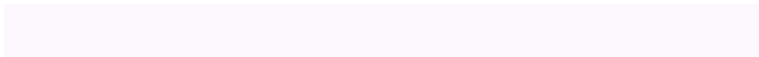
90.4107, 95.0448, 97.5847



88.7835, 95.0448, 99.5097



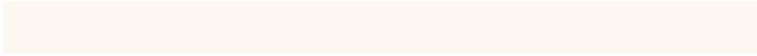
90.2638, 95.0448, 109.6239



91.9090, 95.0448, 107.5702

# Sweetspot

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



90.4134, 95.0489, 97.5868



94.3473, 99.2473, 106.6538



88.9011, 91.0442, 100.1046



20.2016, 21.2510, 22.8520



0.0000, 0.0000, 0.0000

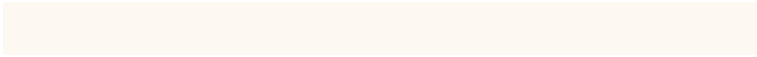


20.3446, 21.4041, 23.3091



# Same Dimension

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



90.4134, 95.0489, 97.5868



91.6049, 96.2865, 97.9585



91.1296, 97.2711, 97.9779



19.5065, 20.4997, 20.6503



28.4817, 24.9746, 3.3194

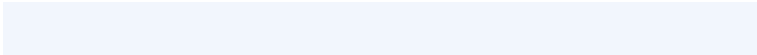


2.8771, 2.6396, 0.3578



# Inverse Universe

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



87.3033, 91.8793, 106.0628



87.9783, 92.5904, 107.8425



86.6065, 89.7354, 105.6857



18.6254, 19.6017, 23.0518



11.5885, 8.0866, 50.3847

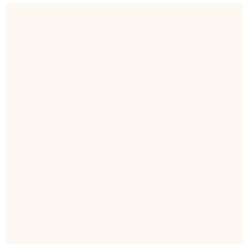


1.2278, 0.9863, 4.9389



# Previews

## White Background



This preview shows how the XYZ color 90.4107, 95.0448, 97.5847 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

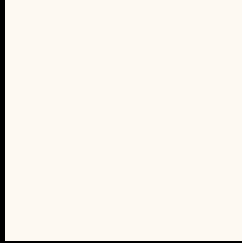
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.4107, 95.0448, 97.5847 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 90.4107, 95.0448, 97.5847

## Background



This preview shows how black text looks on a background with the XYZ color 90.4107, 95.0448, 97.5847.



This preview shows how white text looks on a background with the XYZ color 90.4107, 95.0448,



# 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**

90.4107, 95.0448, 97.5847

**Protanopia**

90.8344, 94.8056, 97.5162

**Deuteranopia**

91.7507, 95.1721, 102.3412

## Tritanopia

91.7623, 95.0503, 108.1179

# Trichromacy

A vertical color bar on the left side of the Trichromacy section, transitioning from a light yellow at the top to a light pink at the bottom.

## Original Color

90.4107, 95.0448, 97.5847

## Protanomaly

90.4675, 94.6164, 97.4991

## Deuteranomaly

91.0750, 94.8595, 100.6983

## Tritanomaly

90.9676, 94.7324, 103.9332

# Monochromacy

A vertical color bar on the left side of the Monochromacy section, transitioning from a light yellow at the top to a light grey at the bottom.

## Original Color

90.4107, 95.0448, 97.5847

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.9346, 94.7292, 100.7333

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.4107, 95.0448, 97.5847 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(253, 249, 242) looks like.

```
.text, #text, p{  
    color:rgb(253, 249, 242)  
}
```

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(253, 249, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 249, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 90.4107, 95.0448, 97.5847 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(253, 249, 242) }
```



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

```
.border{ border-color:rgb(253, 249, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 249, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 249, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 249, 242);  
box-shadow:4px 4px 4px 4px rgb(253, 249,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.4107, 95.0448, 97.5847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 249, 242) }
```

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

```
.background{ background-color: rgb(253,  
249, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor