

# Converting Colors

XYZ(89.9837, 92.8631, 97.9757)

Have a look what the booklet for  
XYZ(89.9837, 92.8631, 97.9757)  
contains.

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# Color

**XYZ(90.0701, 93.0359,  
98.0045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5F3
RGB	255, 245, 243
RGB Percent	100%, 96%, 95%
CMY	0.0000, 0.0392, 0.0471
CMYK	0.00, 0.04, 0.05, 0.00
HSL	10°, 100%, 98%
HSV	10°, 5%, 100%
XYZ	90.0701, 93.0359, 98.0045
YIQ	247.7620, 6.6020, 1.4980

# Conversions

## Conversions Part 2

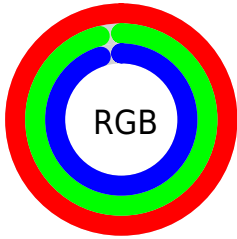
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 245, 243
Decimal	16774643
CIE <sub>Lab</sub>	97.24, 3.00, 2.14
CIE <sub>LCh</sub>	97, 3.688, 35.483
Yxy	93.0359, 0.3204, 0.3310
Android (android.graphics.Color)	4294964723 (0xFFFFF5F3)
YUV	247.7620, -2.3477, 6.3477
Hunter-Lab	96.4551, -2.1126, 7.2762

# Details

The XYZ color 90.0701, 93.0359, 98.0045 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.1366, 96.5228, 108.4878, and the grayscale version is 89.0455, 93.6828, 102.0205.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4559, 51.9888, 54.3892 is the 20% darker color. If you saturate the color by 10%, you get 80.4226, 79.4815, 77.0910, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

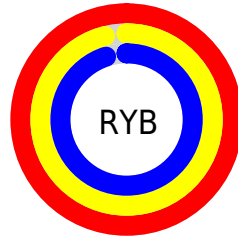
# Distribution



Red (100%)

Green (96%)

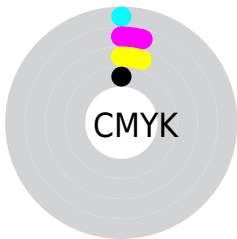
Blue (95%)



Red (100%)

Yellow (96%)

Blue (95%)

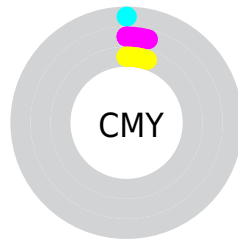


Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.0701, 93.0359, 98.0045 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 90.0701, 93.0359, 98.0045 by changing the saturation by 10% instead.



 90.0701, 93.0359,  
98.0045

 90.0701, 93.0359,  
98.0045

516.4934,  
537.8578, 574.9677

 68.3753, 70.5013,  
74.0275


146.3136,  
151.5483, 160.4401

 50.4779, 51.9354,  
54.3196


181.5930,  
188.2950, 199.7357

 36.0126, 36.9536,  
38.4623


222.1313,  
230.5478, 244.9747

 24.6141, 25.1715,  
26.0371

268.2938,  
278.6911, 296.5754

 15.9170, 16.2049,  
16.6254

320.4459,  
333.1094, 354.9566

 9.5559, 9.6693,  
9.8086

378.9529,

 5.1655, 5.1802,

394.1870, 420.5367

5.1683

444.1803,  
462.3084, 493.7342

■ 2.3804, 2.3534,  
2.2859

■ 0.8354, 0.8018,  
0.7233

■ 90.0701, 93.0359,  
98.0045

■ 90.0701, 93.0359,  
98.0045

■ 80.4226, 79.4815,  
77.0910

95.0500, 100.0000,  
108.9000

■ 71.9988, 67.5542,  
59.1147

■ 64.7511, 57.1958,  
43.9453

■ 58.6266, 48.3407,  
31.4407

■ 53.5680, 40.9184,  
21.4461

■ 49.5129, 34.8530,  
13.7909

■ 46.3924, 30.0612,  
8.2829

■ 44.1281, 26.4503,  
4.6992

■ 42.6279, 23.9144,  
2.7671

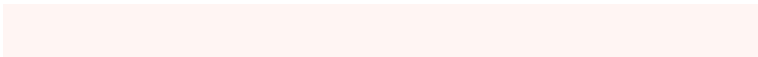
# Harmonies

## Analogous

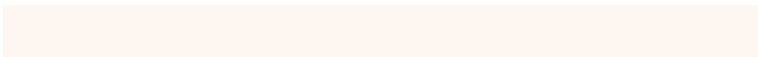
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4382, 93.0359, 100.7528



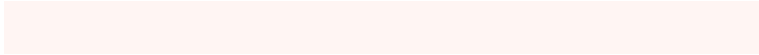
90.0701, 93.0359, 98.0045



89.2622, 93.0359, 96.1665

# Triad

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



90.0701, 93.0359, 98.0045



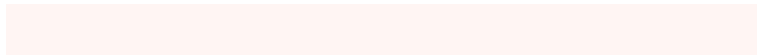
86.6166, 93.0359, 98.9367



88.6195, 93.0359, 107.1227

# Complementary

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



90.0701, 93.0359, 98.0045



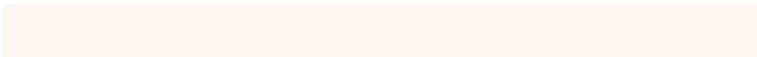
90.1366, 96.5228, 108.4878

# Split Complementary

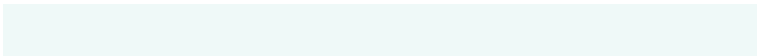
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5987, 93.0359, 106.6136



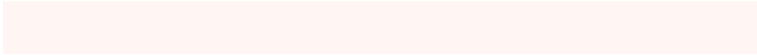
90.0701, 93.0359, 98.0045



86.4475, 93.0359, 101.8498

# Square

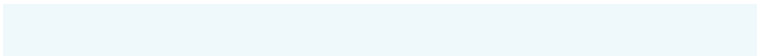
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0701, 93.0359, 98.0045



87.2694, 93.0359, 96.6973



86.8056, 93.0359, 104.6691



89.5964, 93.0359, 106.0471



# Rectangle

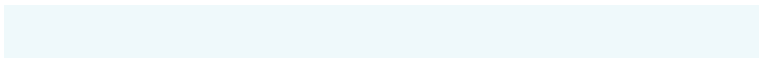
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0701, 93.0359, 98.0045



88.5858, 93.0359, 95.6846



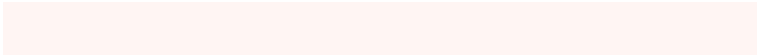
86.8056, 93.0359, 104.6691



88.2701, 93.0359, 107.1315

# Sweetspot

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



90.0722, 93.0397, 98.0065



93.9682, 98.4891, 106.5274



91.0208, 92.4541, 105.9768



20.1245, 21.0967, 22.8263



0.0000, 0.0000, 0.0000

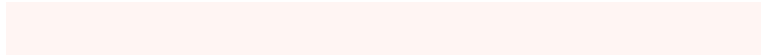


20.3446, 21.4041, 23.3091

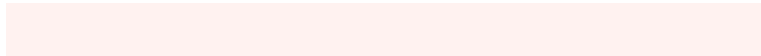


# Same Dimension

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



90.0722, 93.0397, 98.0065



88.7520, 91.1902, 95.1283



91.9153, 96.7259, 98.6209



18.8558, 19.3211, 20.0548



22.0639, 12.1391, 1.1802



2.2138, 1.3130, 0.1368

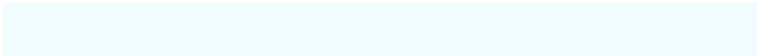


# Inverse Universe

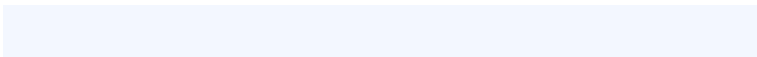
The Inverse Universe completely reimagines the original color for something new.



90.1366, 96.5228, 108.4878



88.8334, 95.5928, 108.3770



88.2738, 92.7972, 107.8669



18.8750, 20.3613, 23.1853



21.8814, 28.6723, 53.8156

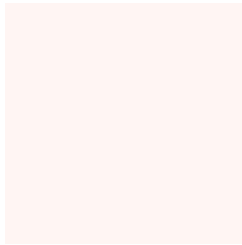


2.1960, 2.9227, 5.2617



# Previews

## White Background



This preview shows how the XYZ color 90.0701, 93.0359, 98.0045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

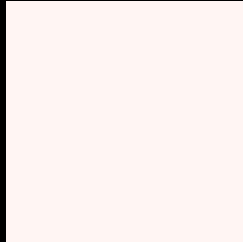
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.0701, 93.0359, 98.0045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

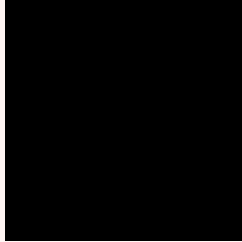
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

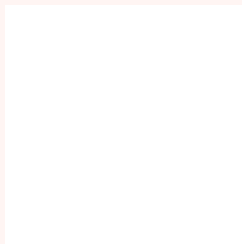
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.0701, 93.0359, 98.0045

## Background



This preview shows how black text looks on a background with the XYZ color 90.0701, 93.0359, 98.0045.



This preview shows how white text looks on a background with the XYZ color 90.0701, 93.0359,



# 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

90.0701, 93.0359, 98.0045

### Protanopia

89.4298, 93.1386, 98.8520

### Deuteranopia

90.5270, 93.2186, 100.4105



## Tritanopia

90.9087, 92.8040, 107.7293

# Trichromacy



**Original Color**

90.0701, 93.0359, 98.0045

**Protanomaly**

89.7929, 93.3258, 98.8690

**Deuteranomaly**

90.3738, 93.1574, 99.6042

**Tritanomaly**

90.6363, 92.7372, 104.3898

# Monochromacy



**Original Color**

90.0701, 93.0359, 98.0045

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.6790, 93.6846, 100.5451

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.0701, 93.0359, 98.0045 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, 245, 243) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 243)  
}
```

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, 245, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 90.0701, 93.0359, 98.0045 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, 245, 243) }
```



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

```
.border{ border-color:rgb(255, 245, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.0701, 93.0359, 98.0045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 243) }
```

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

```
.background{ background-color: rgb(255,  
245, 243) }
```

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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