

# Converting Colors

XYZ(90.4126, 95.1211,  
103.5869)

Have a look what the booklet for  
XYZ(90.4126, 95.1211, 103.5869)  
contains.

<b>XYZ(90.0415, 94.7307, 103.1617)</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> .....	23
<i><b>Color Blindness Simulation</b></i> .....	27
<i><b>CSS Examples</b></i> .....	30

# **Color**

**XYZ(90.0415, 94.7307,  
103.1617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F9F9
RGB	249, 249, 249
RGB Percent	98%, 98%, 98%
CMY	0.0235, 0.0235, 0.0235
CMYK	0.00, 0.00, 0.00, 0.02
HSL	122°, 0%, 98%
HSV	122°, 0%, 98%
XYZ	90.0415, 94.7307, 103.1617
YIQ	249.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	249, 249, 249
Decimal	16382457
CIE <sub>Lab</sub>	97.93, 0.01, -0.01
CIE <sub>LCh</sub>	98, 0.011, 296.612
Y <sub>xy</sub>	94.7307, 0.3127, 0.3290
Android (android.graphics.Color)	4294572537 (0xFFFF9F9F9)
YUV	249.0000, 0.0000, 0.0000
Hunter-Lab	97.3297, -5.1933, 5.2881

# Details

The XYZ color 90.0415, 94.7307, 103.1617 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.0450, 94.7331, 103.1668, and the grayscale version is 90.0449, 94.7343, 103.1656.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6879, 53.3276, 58.0738 is the 20% darker color. If you saturate the color by 10%, you get 78.2386, 89.0542, 84.2930, and if you desaturate by 10%, it is 93.1675, 96.2351, 108.2725.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.0415, 94.7307, 103.1617 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 90.0415, 94.7307, 103.1617 by changing the saturation by 10% instead.



90.0415, 94.7307,  
103.1617

90.0415, 94.7307,  
103.1617

516.4017,  
543.3025, 591.6155

68.3515, 71.9109,  
78.3121

146.2741,  
153.8925, 167.5850

50.4584, 53.0859,  
57.8124

181.5473,  
191.0033, 207.9957

35.9971, 37.8713,  
41.2441

222.0791,  
233.6464, 254.4306

24.6020, 25.8828,  
28.1888

268.2346,  
282.2064, 307.3081

15.9080, 16.7360,  
18.2277

320.3792,  
337.0676, 367.0468

9.5495, 10.0464,  
10.9425

378.8784,

5.1612, 5.4298,

398.6144, 434.0653

5.9145

444.0974,  
467.2313, 508.7820

■ 2.3779, 2.5016,  
2.7252

■ 0.8341, 0.8774,  
0.9561

■ 90.0415, 94.7307,  
103.1617

■ 90.0415, 94.7307,  
103.1617

■ 78.2386, 89.0542,  
84.2930

■ 93.1675, 96.2351,  
108.2725

■ 68.0241, 84.1407,  
67.9012

■ 59.3326, 79.9613,  
53.8853

■ 52.0911, 76.4807,  
42.1352

■ 46.2208, 73.6609,  
32.5319

■ 41.6352, 71.4601,  
24.9458

■ 38.2379, 69.8317,  
19.2331

■ 35.9193, 68.7226,  
15.2311

■ 34.5490, 68.0697,  
12.7494

# Harmonies

## Analogous

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



90.0383, 94.7307, 103.1636



90.0415, 94.7307, 103.1617



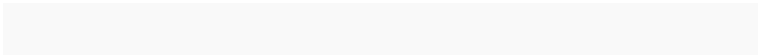
90.0439, 94.7307, 103.1555

# Triad

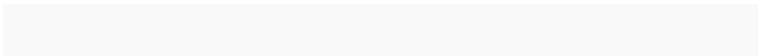
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0415, 94.7307, 103.1617



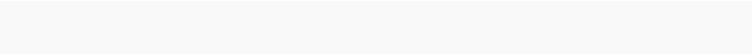
90.0421, 94.7307, 103.1306



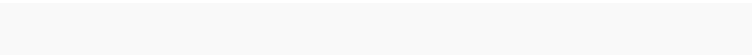
90.0324, 94.7307, 103.1446

# Complementary

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



90.0415, 94.7307, 103.1617



90.0450, 94.7331, 103.1668

# 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.

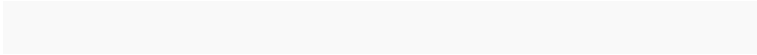
90.0334, 94.7307, 103.1357

90.0415, 94.7307, 103.1617

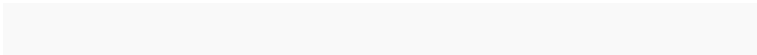
90.0391, 94.7307, 103.1277

# Square

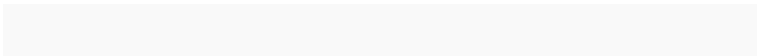
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



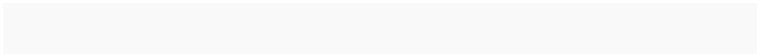
90.0415, 94.7307, 103.1617



90.0443, 94.7307, 103.1376



90.0359, 94.7307, 103.1296

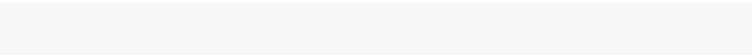


90.0331, 94.7307, 103.1537

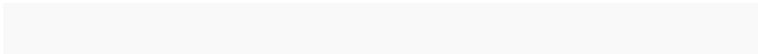


# Rectangle

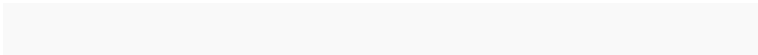
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



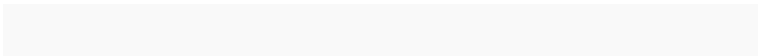
90.0415, 94.7307, 103.1617



90.0448, 94.7307, 103.1498



90.0359, 94.7307, 103.1296



90.0326, 94.7307, 103.1415

# Sweetspot

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



90.0442, 94.7348, 103.1638

95.0500, 100.0000, 108.9000



90.0457, 94.7355, 103.1637



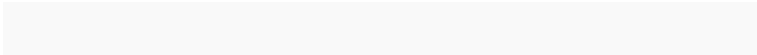
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



90.0442, 94.7348, 103.1638

95.0500, 100.0000, 108.9000



90.0445, 94.7349, 103.1656



19.4759, 20.4902, 22.3138



18.1701, 36.2810, 6.2388

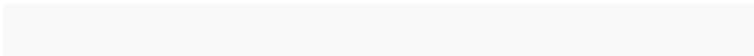


1.6914, 3.3637, 0.6229



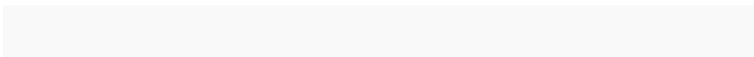
# Inverse Universe

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



90.0450, 94.7331, 103.1668

95.0500, 100.0000, 108.9000



90.0447, 94.7330, 103.1649



19.4759, 20.4902, 22.3138



29.3513, 14.1562, 45.4196

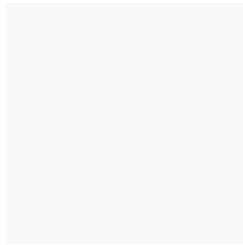


2.7266, 1.3144, 4.2496



# Previews

## White Background



This preview shows how the XYZ color 90.0415, 94.7307, 103.1617 looks on a white background.

## Color Contrast Check

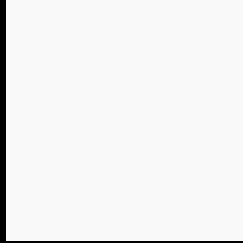
Large Text (above 18pt) WCAG AA × Fail

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 90.0415, 94.7307, 103.1617 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

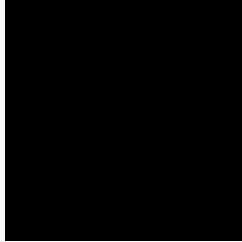
Any Text WCAG AAA ✓ Pass

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

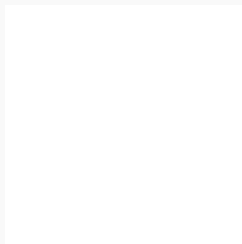


# XYZ 90.0415, 94.7307, 103.1617

## Background



This preview shows how black text looks on a background with the XYZ color 90.0415, 94.7307, 103.1617.



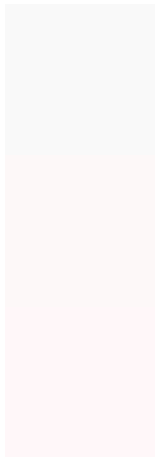
This preview shows how white text looks on a background with the XYZ color 90.0415, 94.7307,



# 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

90.0415, 94.7307, 103.1617

### Protanopia

91.0187, 94.7948, 102.3070

### Deuteranopia

91.5996, 94.6211, 103.0584

## **Tritanopia**

91.0417, 94.6788, 108.0842

# Trichromacy

## Original Color

90.0415, 94.7307, 103.1617

## Protanomaly

90.6556, 94.6076, 102.2900

## Deuteranomaly

91.1743, 94.8570, 103.1264

## Tritanomaly

90.7214, 94.5506, 106.3971

# Monochromacy

## Original Color

90.0415, 94.7307, 103.1617

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

90.0415, 94.7307, 103.1617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.0415, 94.7307, 103.1617 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(249, 249, 249) looks like.

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

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

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

## Border

The CSS property to change the border of an element to XYZ 90.0415, 94.7307, 103.1617 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(249, 249, 249) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to XYZ 90.0415, 94.7307, 103.1617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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