

# Converting Colors

XYZ(90.2949, 93.0381, 99.4586)

Have a look what the booklet for  
XYZ(90.2949, 93.0381, 99.4586)  
contains.

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# **Color**

**XYZ(90.3738, 93.1574,  
99.6042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5F5
RGB	255, 245, 245
RGB Percent	100%, 96%, 96%
CMY	0.0000, 0.0392, 0.0392
CMYK	0.00, 0.04, 0.04, 0.00
HSL	0°, 100%, 98%
HSV	0°, 4%, 100%
XYZ	90.3738, 93.1574, 99.6042
YIQ	247.9900, 5.9600, 2.1200

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 245, 245
Decimal	16774645
CIE <sub>Lab</sub>	97.29, 3.34, 1.18
CIE <sub>LCh</sub>	97, 3.545, 19.458
Yxy	93.1574, 0.3192, 0.3290
Android (android.graphics.Color)	4294964725 (0xFFFFF5F5)
YUV	247.9900, -1.4741, 6.1478
Hunter-Lab	96.5181, -1.7698, 6.3769

# Details

The XYZ color 90.3738, 93.1574, 99.6042 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.4654, 98.1500, 108.7318, and the grayscale version is 89.2252, 93.8718, 102.2264.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6716, 52.0751, 55.5249 is the 20% darker color. If you saturate the color by 10%, you get 79.5590, 77.3343, 78.0985, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



Red (100%)

Green (96%)

Blue (96%)



Red (100%)

Yellow (96%)

Blue (96%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.3738, 93.1574, 99.6042 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 90.3738, 93.1574, 99.6042 by changing the saturation by 10% instead.



90.3738, 93.1574,  
99.6042

90.3738, 93.1574,  
99.6042

517.4658,  
538.2491, 580.1588

68.6280, 70.6023,  
75.3550

146.7332,  
151.7165, 162.6603

50.6844, 52.0177,  
55.4003

182.0776,  
188.4893, 202.3042

36.1775, 37.0192,  
39.3215

222.6855,  
230.7702, 247.9169

24.7421, 25.2224,  
26.7002

268.9223,  
278.9435, 299.9167

16.0127, 16.2428,  
17.1177

321.1534,  
333.3937, 358.7222

9.6240, 9.6961,  
10.1556

379.7441,

5.2107, 5.1980,

394.5051, 424.7521

5.3953

445.0598,  
462.6621, 498.4248

■ 2.4075, 2.3639,  
2.4183

■ 0.8488, 0.8072,  
0.7964

■ 90.3738, 93.1574,  
99.6042

■ 90.3738, 93.1574,  
99.6042

■ 79.5590, 77.3343,  
78.0985

95.0500, 100.0000,  
108.9000

■ 70.2759, 63.7514,  
59.6413

■ 62.4572, 52.3108,  
44.0965

■ 56.0281, 42.9034,  
31.3155

■ 50.9074, 35.4101,  
21.1364

■ 47.0053, 29.6997,  
13.3808

■ 44.2208, 25.6243,  
7.8475

■ 42.4365, 23.0126,  
4.3032

■ 41.5094, 21.6550,  
2.4630

# Harmonies

## Analogous

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



90.4525, 93.1574, 102.4462



90.3738, 93.1574, 99.6042



89.8025, 93.1574, 97.2938

# Triad

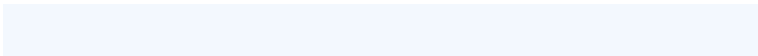
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3738, 93.1574, 99.6042



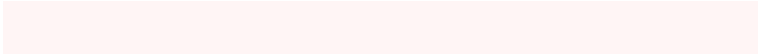
87.0861, 93.1574, 97.8854



88.1910, 93.1574, 106.9588

# Complementary

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



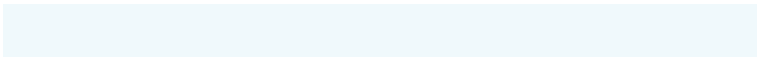
90.3738, 93.1574, 99.6042



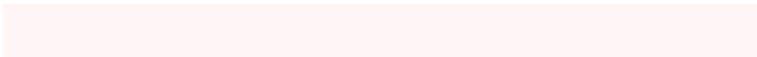
91.4654, 98.1500, 108.7318

# Split Complementary

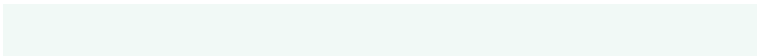
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2959, 93.1574, 105.6871



90.3738, 93.1574, 99.6042



86.6612, 93.1574, 100.4256

# Square

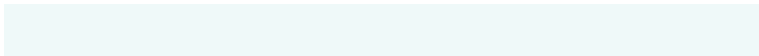
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.3738, 93.1574, 99.6042



87.9026, 93.1574, 96.3145



86.7377, 93.1574, 103.2832



89.1872, 93.1574, 106.7288



# Rectangle

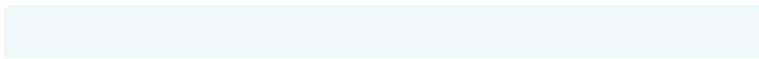
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



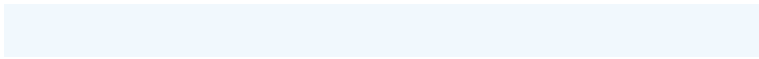
90.3738, 93.1574, 99.6042



89.2216, 93.1574, 96.3490



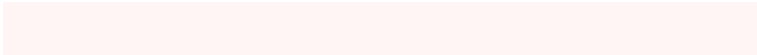
86.7377, 93.1574, 103.2832



87.8685, 93.1574, 106.6919

# Sweetspot

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



90.3760, 93.1612, 99.6062



93.8343, 98.2213, 106.4828



91.9429, 93.7859, 107.8643



20.0972, 21.0422, 22.8172



0.0000, 0.0000, 0.0000

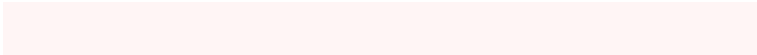


20.3446, 21.4041, 23.3091



# Same Dimension

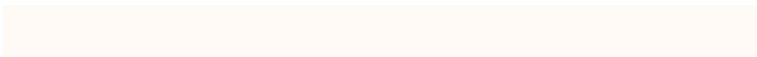
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3760, 93.1612, 99.6062



89.1329, 91.3424, 97.1344



91.9076, 96.2244, 100.1167



18.9070, 19.3006, 20.4505



21.5497, 11.1106, 1.0088



2.0984, 1.0822, 0.0983

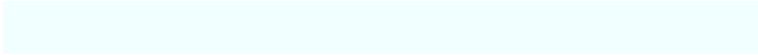


# Inverse Universe

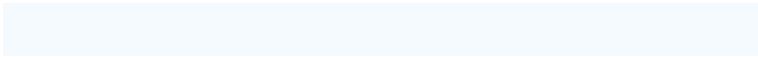
The Inverse Universe completely reimagines the original color for something new.



91.4654, 98.1500, 108.7318



90.5120, 97.6580, 108.6871



89.8927, 95.0046, 108.2076



19.2421, 20.8351, 23.2574



28.0986, 41.1068, 55.8880

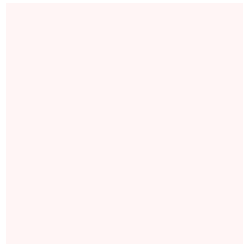


2.7361, 4.0029, 5.4417



# Previews

## White Background



This preview shows how the XYZ color 90.3738, 93.1574, 99.6042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

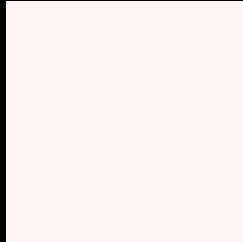
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.3738, 93.1574, 99.6042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

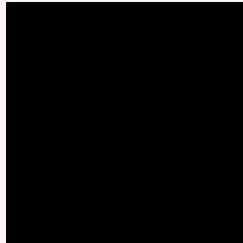
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

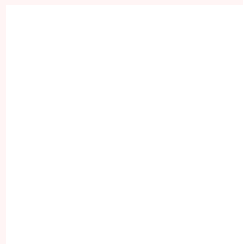
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.3738, 93.1574, 99.6042

## Background



This preview shows how black text looks on a background with the XYZ color 90.3738, 93.1574, 99.6042.



This preview shows how white text looks on a background with the XYZ color 90.3738, 93.1574,



# 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

90.3738, 93.1574, 99.6042

### Protanopia

89.7352, 93.2608, 100.4604

### Deuteranopia

90.6809, 93.2802, 101.2212

## **Tritanopia**

91.2104, 93.4075, 107.8299

# Trichromacy



**Original Color**

90.3738, 93.1574, 99.6042

**Protanomaly**

90.0983, 93.4480, 100.4774

**Deuteranomaly**

90.5270, 93.2186, 100.4105

**Tritanomaly**

90.9380, 93.3407, 104.4904

# Monochromacy



**Original Color**

90.3738, 93.1574, 99.6042

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.8329, 93.7462, 101.3558

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.3738, 93.1574, 99.6042 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, 245) looks like.

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

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, 245) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 90.3738, 93.1574, 99.6042 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, 245) }
```



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

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

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, 245)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 90.3738, 93.1574, 99.6042 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, 245) }
```

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

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

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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