

# Converting Colors

XYZ(89.7509, 93.4523,  
100.1414)

Have a look what the booklet for  
XYZ(89.7509, 93.4523, 100.1414)  
contains.

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# Color

**XYZ(89.7352, 93.2608,  
100.4604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF6F6
RGB	252, 246, 246
RGB Percent	99%, 96%, 96%
CMY	0.0118, 0.0353, 0.0353
CMYK	0.00, 0.02, 0.02, 0.01
HSL	0°, 50%, 98%
HSV	0°, 2%, 99%
XYZ	89.7352, 93.2608, 100.4604
YIQ	247.7940, 3.5760, 1.2720

# Conversions

## Conversions Part 2

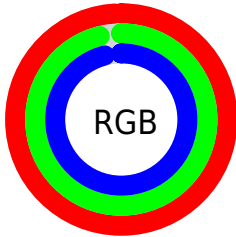
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	252, 246, 246
Decimal	16578294
CIE <sub>Lab</sub>	97.33, 2.00, 0.70
CIE <sub>LCh</sub>	97, 2.119, 19.240
Yxy	93.2608, 0.3166, 0.3290
Android (android.graphics.Color)	4294768374 (0xFFFCF6F6)
YUV	247.7940, -0.8844, 3.6887
Hunter-Lab	96.5716, -3.1366, 5.9226

# Details

The XYZ color 89.7352, 93.2608, 100.4604 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.3871, 96.2406, 105.9091, and the grayscale version is 89.0621, 93.7003, 102.0396.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2134, 52.1467, 56.1340 is the 20% darker color. If you saturate the color by 10%, you get 78.9800, 77.5254, 79.0693, and if you desaturate by 10%, it is 93.9554, 99.4357, 108.8488.

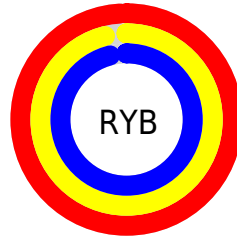
# Distribution



Red (99%)

Green (96%)

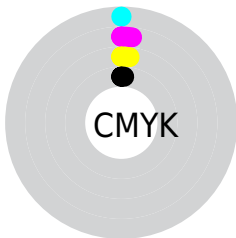
Blue (96%)



Red (99%)

Yellow (96%)

Blue (96%)

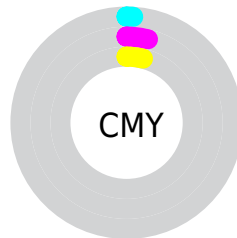


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (1%)



Cyan (1%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.7352, 93.2608, 100.4604 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 89.7352, 93.2608, 100.4604 by changing the saturation by 10% instead.



89.7352, 93.2608,  
100.4604

89.7352, 93.2608,  
100.4604

515.4198,  
538.5820, 582.9270

68.0966, 70.6883,  
76.0661

145.8507,  
151.8596, 163.8471

50.2503, 52.0879,  
55.9797

181.0584,  
188.6547, 203.6766

35.8309, 37.0751,  
39.7828

221.5197,  
230.9595, 249.4882

24.4731, 25.2657,  
27.0567

267.6002,  
279.1583, 301.7005

15.8116, 16.2751,  
17.3830

319.6651,  
333.6356, 360.7319

9.4809, 9.7190,  
10.3431

378.0797,

5.1158, 5.2131,

394.7757, 427.0012

5.5185

443.2095,  
462.9630, 500.9267

■ 2.3508, 2.3728,  
2.4906

■ 0.8205, 0.8118,  
0.8351

■ 89.7352, 93.2608,  
100.4604

■ 89.7352, 93.2608,  
100.4604

■ 78.9800, 77.5254,  
79.0693

93.9554, 99.4357,  
108.8488

■ 69.7230, 63.9813,  
60.6619

■ 61.9000, 52.5350,  
45.1073

■ 55.4395, 43.0816,  
32.2631

■ 50.2634, 35.5073,  
21.9741

■ 46.2862, 29.6868,  
14.0697

■ 43.4116, 25.4794,  
8.3585

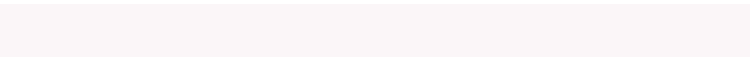
■ 41.5288, 22.7230,  
4.6197

■ 40.5038, 21.2216,  
2.5865

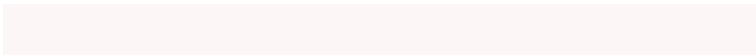
# Harmonies

## Analogous

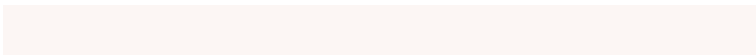
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7797, 93.2608, 102.1632



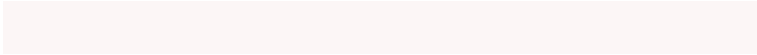
89.7352, 93.2608, 100.4604



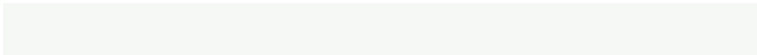
89.3969, 93.2608, 99.0633

# Triad

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



89.7352, 93.2608, 100.4604



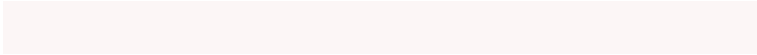
87.7707, 93.2608, 99.4034



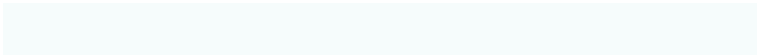
88.4264, 93.2608, 104.8255

# Complementary

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



89.7352, 93.2608, 100.4604



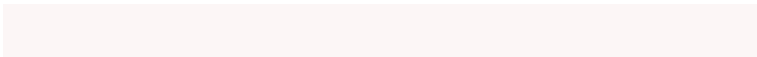
90.3871, 96.2406, 105.9091

# Split Complementary

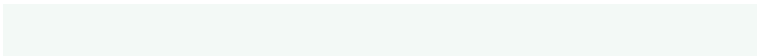
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8906, 93.2608, 104.0682



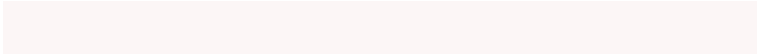
89.7352, 93.2608, 100.4604



87.5131, 93.2608, 100.9296

# Square

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



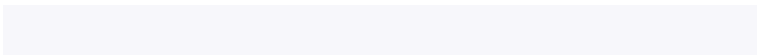
89.7352, 93.2608, 100.4604



88.2620, 93.2608, 98.4578



87.5569, 93.2608, 102.6377

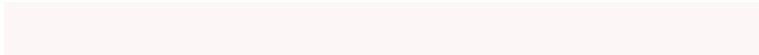


89.0223, 93.2608, 104.6964

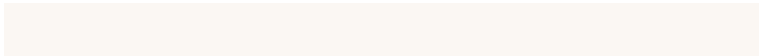


# Rectangle

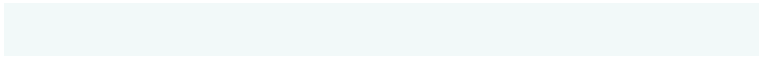
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.7352, 93.2608, 100.4604



89.0511, 93.2608, 98.4872



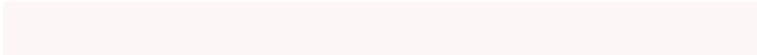
87.5569, 93.2608, 102.6377



88.2333, 93.2608, 104.6658

# Sweetspot

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



89.7378, 93.2648, 100.4624



93.8346, 98.2218, 106.4829



90.6726, 93.6367, 105.3914



20.0973, 21.0422, 22.8172



0.0000, 0.0000, 0.0000

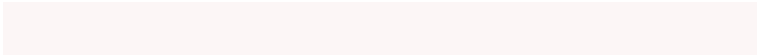


20.3446, 21.4041, 23.3091

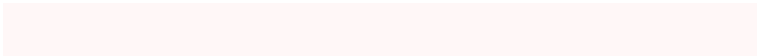


# Same Dimension

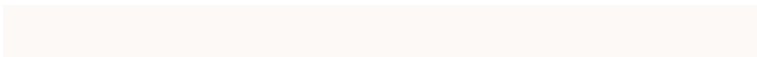
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7378, 93.2648, 100.4624



91.4521, 94.7361, 101.7450



90.6564, 95.1020, 100.7686



18.5485, 19.1334, 20.4695



20.9134, 10.7834, 0.9791



1.9373, 0.9994, 0.0908



# Inverse Universe

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



90.3871, 96.2406, 105.9091



92.2896, 98.5744, 108.7703



89.4538, 94.3739, 105.5980



18.7644, 20.1227, 22.2804



27.2574, 39.8704, 54.2327

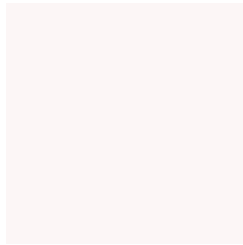


2.5248, 3.6933, 5.0230



# Previews

## White Background



This preview shows how the XYZ color 89.7352, 93.2608, 100.4604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

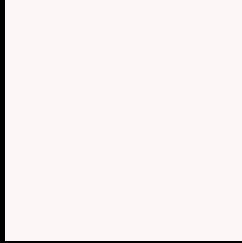
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.7352, 93.2608, 100.4604 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

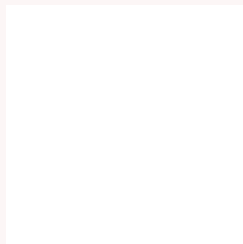
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.7352, 93.2608, 100.4604

## Background



This preview shows how black text looks on a background with the XYZ color 89.7352, 93.2608, 100.4604.



This preview shows how white text looks on a background with the XYZ color 89.7352, 93.2608,

100.4604.

# 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

89.7352, 93.2608, 100.4604

### Protanopia

89.7352, 93.2608, 100.4604

### Deuteranopia

90.6809, 93.2802, 101.2212



## Tritanopia

90.4861, 93.0340, 107.7960

# Trichromacy



**Original Color**

89.7352, 93.2608, 100.4604

**Protanomaly**

89.7352, 93.2608, 100.4604

**Deuteranomaly**

90.3140, 93.0910, 101.2040

**Tritanomaly**

90.0068, 92.8423, 105.2720

# Monochromacy



**Original Color**

89.7352, 93.2608, 100.4604

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.1162, 93.3767, 101.3223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.7352, 93.2608, 100.4604 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(252, 246, 246) looks like.

```
.text, #text, p{  
    color:rgb(252, 246, 246)  
}
```

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(252, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 246, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 89.7352, 93.2608, 100.4604 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(252, 246, 246) }
```



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

```
.border{ border-color:rgb(252, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(252, 246,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.7352, 93.2608, 100.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 246, 246) }
```

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

```
.background{ background-color: rgb(252,  
246, 246) }
```

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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