

# Converting Colors

XYZ(89.4562, 94.1693,  
100.4602)

Have a look what the booklet for  
XYZ(89.4562, 94.1693, 100.4602)  
contains.

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# **Color**

**XYZ(89.2689, 93.9284,  
100.6138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F8F6
RGB	249, 248, 246
RGB Percent	98%, 97%, 96%
CMY	0.0235, 0.0274, 0.0353
CMYK	0.00, 0.00, 0.01, 0.02
HSL	40°, 20%, 97%
HSV	40°, 1%, 98%
XYZ	89.2689, 93.9284, 100.6138
YIQ	248.0710, 1.2380, -0.4100

# Conversions

## Conversions Part 2

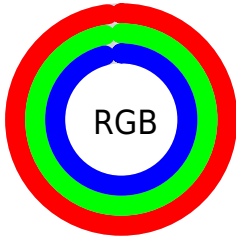
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 249, 246
Decimal	16382198
CIE <sub>Lab</sub>	97.60, -0.01, 1.06
CIE <sub>LCh</sub>	98, 1.064, 90.711
Yxy	93.9284, 0.3145, 0.3310
Android (android.graphics.Color)	4294572278 (0xFFFF9F8F6)
YUV	248.0710, -1.0210, 0.8147
Hunter-Lab	96.9167, -5.1897, 6.2899

# Details

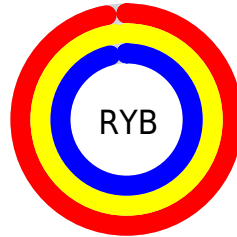
The XYZ color 89.2689, 93.9284, 100.6138 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.3657, 92.9527, 102.9081, and the grayscale version is 89.2909, 93.9410, 102.3017.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1362, 52.7544, 56.2554 is the 20% darker color. If you saturate the color by 10%, you get 83.2164, 87.5344, 80.9874, and if you desaturate by 10%, it is 92.8775, 98.8800, 108.7983.

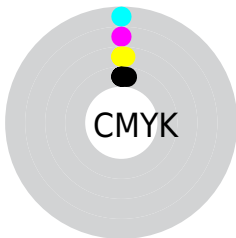
# Distribution



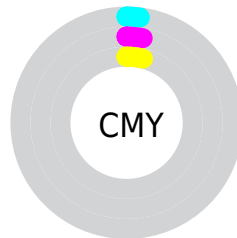
- Red (98%)
- Green (97%)
- Blue (96%)



- Red (97%)
- Yellow (98%)
- Blue (96%)



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



- Cyan (2%)
- Magenta (3%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.2689, 93.9284, 100.6138 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 89.2689, 93.9284, 100.6138 by changing the saturation by 10% instead.



89.2689, 93.9284,  
100.6138

89.2689, 93.9284,  
100.6138

513.9232,  
540.7287, 583.4223

67.7087, 71.2434,  
76.1935

145.2060,  
152.7833, 164.0597

49.9336, 52.5409,  
56.0836

180.3135,  
189.7220, 203.9223

35.5782, 37.4364,  
39.8655

220.6676,  
232.1808, 249.7695

24.2772, 25.5455,  
27.1207

266.6336,  
280.5439, 302.0197

15.6652, 16.4840,  
17.4307

318.5768,  
335.1959, 361.0916

9.3769, 9.8673,  
10.3768

376.8625,

5.0469, 5.3110,

396.5211, 427.4036

5.5407

441.8562,  
464.9039, 501.3743

■ 2.3099, 2.4309,  
2.5036

■ 0.7997, 0.8417,  
0.8421

■ 89.2689, 93.9284,  
100.6138

■ 89.2689, 93.9284,  
100.6138

■ 83.2164, 87.5344,  
80.9874

■ 92.8775, 98.8800,  
108.7983

■ 77.7642, 81.5547,  
63.9879

■ 72.8919, 75.9818,  
49.5029

■ 68.5749, 70.8036,  
37.4102

■ 64.7865, 66.0068,  
27.5766

■ 61.4975, 61.5774,  
19.8563

■ 58.6753, 57.4998,  
14.0859

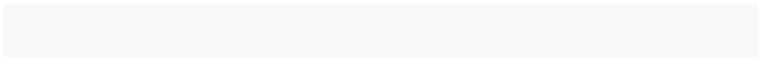
■ 56.2830, 53.7566,  
10.0779

■ 54.2762, 50.3274,  
7.6075

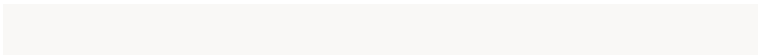
# Harmonies

## Analogous

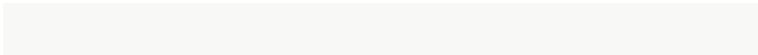
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5613, 93.9284, 100.8247



89.2689, 93.9284, 100.6138



88.9791, 93.9284, 100.8452

# Triad

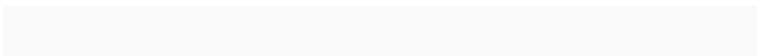
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2689, 93.9284, 100.6138



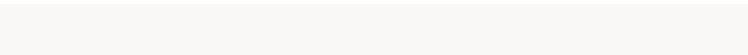
88.7765, 93.9284, 103.1260



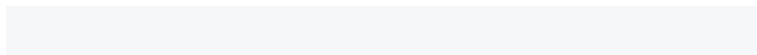
89.7849, 93.9284, 103.0900

# Complementary

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



89.2689, 93.9284, 100.6138



88.3657, 92.9527, 102.9081

# 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.



89.5738, 93.9284, 103.7123



89.2689, 93.9284, 100.6138



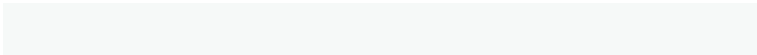
88.9916, 93.9284, 103.7332

# Square

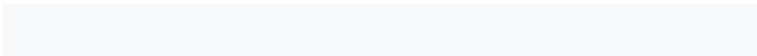
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



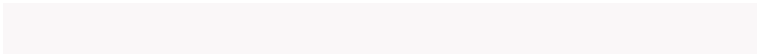
89.2689, 93.9284, 100.6138



88.6952, 93.9284, 102.2928



89.2834, 93.9284, 103.9484

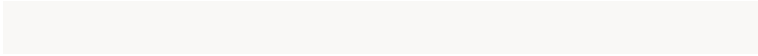


89.8596, 93.9284, 102.2514

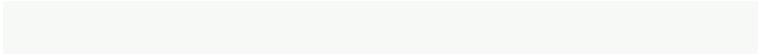


# Rectangle

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



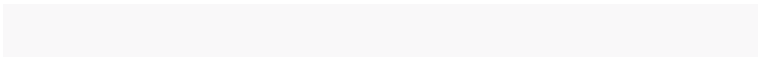
89.2689, 93.9284, 100.6138



88.8263, 93.9284, 101.2198



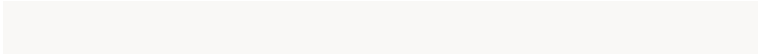
89.2834, 93.9284, 103.9484



89.7275, 93.9284, 103.3316

# Sweetspot

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



89.2716, 93.9324, 100.6158

95.0500, 100.0000, 108.9000



88.8125, 92.7681, 101.2222



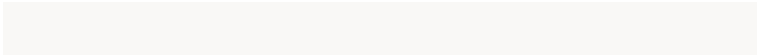
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



89.2716, 93.9324, 100.6158



94.3727, 99.2981, 106.6623



89.4005, 94.4545, 100.7098



19.3442, 20.3537, 21.8787



28.3823, 25.7212, 3.4688



2.7259, 2.5767, 0.3537



# Inverse Universe

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



88.3657, 92.9527, 102.9081



93.5769, 98.4374, 108.6760



88.2377, 92.4359, 102.8151



19.1895, 20.1864, 22.2703



10.9096, 7.1748, 48.7834

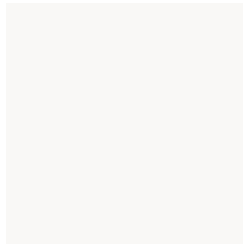


1.1034, 0.8504, 4.5492



# Previews

## White Background



This preview shows how the XYZ color 89.2689, 93.9284, 100.6138 looks on a white background.

## Color Contrast Check

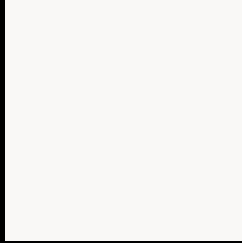
Large Text (above 18pt) WCAG AA × Fail

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 89.2689, 93.9284, 100.6138 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

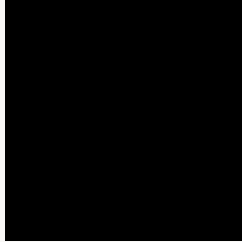
Any Text WCAG AAA ✓ Pass

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

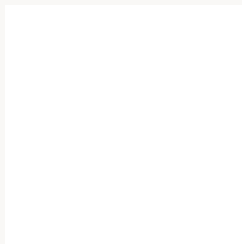


# XYZ 89.2689, 93.9284, 100.6138

## Background



This preview shows how black text looks on a background with the XYZ color 89.2689, 93.9284, 100.6138.



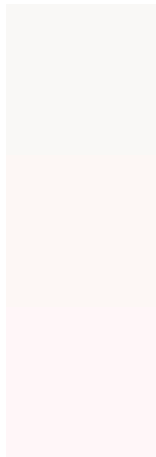
This preview shows how white text looks on a background with the XYZ color 89.2689, 93.9284,

100.6138.

# 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

89.2689, 93.9284, 100.6138

### Protanopia

90.2502, 93.9967, 99.7727

### Deuteranopia

91.1390, 93.9488, 102.1373

## **Tritanopia**

90.7351, 94.0655, 107.9820

# Trichromacy

## Original Color

89.2689, 93.9284, 100.6138

## Protanomaly

89.8871, 93.8095, 99.7557

## Deuteranomaly

90.5573, 94.1196, 101.3897

## Tritanomaly

90.2558, 93.8738, 105.4579

# Monochromacy

## Original Color

89.2689, 93.9284, 100.6138

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.0673, 93.8067, 101.4078

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.2689, 93.9284, 100.6138 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, 248, 246) looks like.

```
.text, #text, p{  
    color:rgb(249, 248, 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(249, 248, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 248, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 89.2689, 93.9284, 100.6138 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, 248, 246) }
```

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

```
.border{ border-color:rgb(249, 248, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 248, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 248, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 248, 246);  
box-shadow:4px 4px 4px 4px rgb(249, 248,  
246) }
```



# Background

The CSS property to change the background color of an element to XYZ 89.2689, 93.9284, 100.6138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 248, 246) }
```

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

```
.background{ background-color: rgb(249,  
248, 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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