

# Converting Colors

XYZ(89.6138, 94.0398, 99.0171)

Have a look what the booklet for  
XYZ(89.6138, 94.0398, 99.0171)  
contains.

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# Color

**XYZ(89.6802, 94.1757,  
99.0390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF8F4
RGB	251, 248, 244
RGB Percent	98%, 97%, 96%
CMY	0.0157, 0.0274, 0.0431
CMYK	0.00, 0.01, 0.03, 0.02
HSL	34°, 47%, 97%
HSV	34°, 3%, 98%
XYZ	89.6802, 94.1757, 99.0390
YIQ	248.4410, 3.0720, -0.6080

# Conversions

## Conversions Part 2

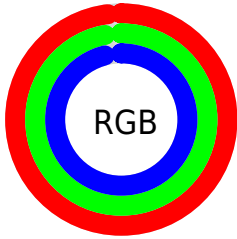
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	249, 251, 244
Decimal	16513268
CIE Lab	97.70, 0.31, 2.26
CIE LCh	98, 2.279, 82.225
Yxy	94.1757, 0.3170, 0.3329
Android (android.graphics.Color)	4294703348 (0xFFFBF8F4)
YUV	248.4410, -2.1894, 2.2442
Hunter-Lab	97.0442, -4.8723, 7.4222

# Details

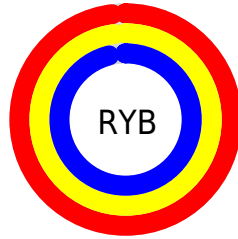
The XYZ color 89.6802, 94.1757, 99.0390 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.9816, 92.7183, 104.5273, and the grayscale version is 89.6019, 94.2682, 102.6580.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.4324, 52.9322, 55.1358 is the 20% darker color. If you saturate the color by 10%, you get 82.9183, 86.3406, 79.2450, and if you desaturate by 10%, it is 93.5942, 99.2495, 108.8319.

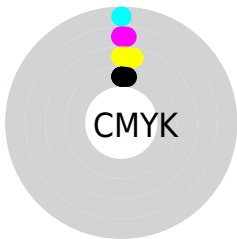
# Distribution



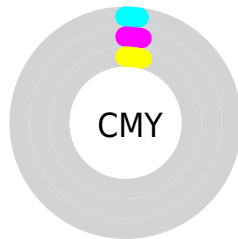
- Red (98%)
- Green (97%)
- Blue (96%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (2%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.6802, 94.1757, 99.0390 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 89.6802, 94.1757, 99.0390 by changing the saturation by 10% instead.




 89.6802, 94.1757,  
99.0390

 89.6802, 94.1757,  
99.0390


515.2434,  
541.5227, 578.3275

 68.0508, 71.4491,  
74.8858


145.7747,  
153.1253, 161.8763

 50.2129, 52.7088,  
55.0182


180.9706,  
190.1171, 201.3974

 35.8011, 37.5703,  
39.0176


221.4193,  
232.6328, 246.8783

 24.4500, 25.6494,  
26.4655

267.4862,  
281.0567, 298.7374

 15.7943, 16.5615,  
16.9433

319.5368,  
335.7732, 357.3934

 9.4686, 9.9224,  
10.0325

377.9362,

 5.1076, 5.3475,

397.1668, 423.2647

5.3147

443.0500,  
465.6218, 496.7699

■ 2.3460, 2.4526,  
2.3711

■ 0.8180, 0.8527,  
0.7706

■ 89.6802, 94.1757,  
99.0390

■ 89.6802, 94.1757,  
99.0390

■ 82.9183, 86.3406,  
79.2450

■ 93.5942, 99.2495,  
108.8319

■ 76.8384, 79.0734,  
62.1350

■ 71.4177, 72.3630,  
47.5926

■ 66.6289, 66.1931,  
35.4908

■ 62.4426, 60.5465,  
25.6916

■ 58.8266, 55.4046,  
18.0429

■ 55.7453, 50.7475,  
12.3742

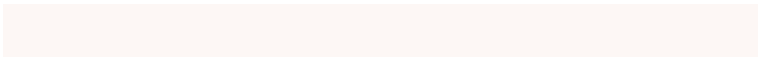
■ 53.1576, 46.5527,  
8.4887

■ 51.0147, 42.7945,  
6.1480

# Harmonies

## Analogous

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



90.2782, 94.1757, 99.7408



89.6802, 94.1757, 99.0390



89.0397, 94.1757, 99.2666

# Triad

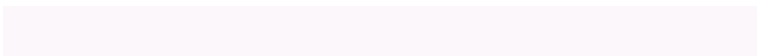
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6802, 94.1757, 99.0390



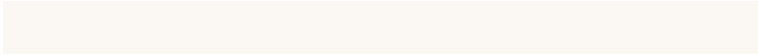
88.3603, 94.1757, 103.8998



90.5017, 94.1757, 104.7474

# Complementary

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



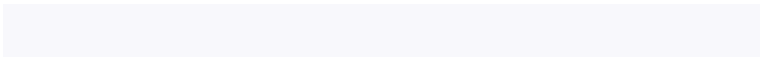
89.6802, 94.1757, 99.0390



87.9816, 92.7183, 104.5273

# 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.



89.9843, 94.1757, 105.8873



89.6802, 94.1757, 99.0390



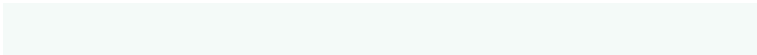
88.7485, 94.1757, 105.3938

# Square

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



89.6802, 94.1757, 99.0390



88.2798, 94.1757, 102.0583



89.3424, 94.1757, 106.1253



90.7540, 94.1757, 103.0259



# Rectangle

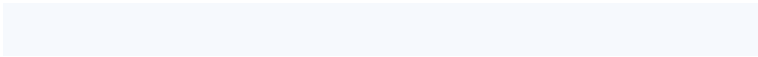
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



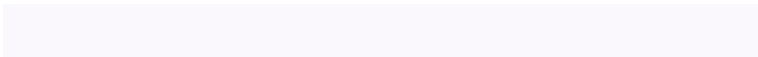
89.6802, 94.1757, 99.0390



88.6747, 94.1757, 99.9161



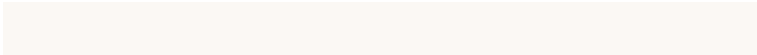
89.3424, 94.1757, 106.1253



90.3529, 94.1757, 105.2122

# Sweetspot

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



89.6828, 94.1798, 99.0410



94.2950, 99.1426, 106.6363



88.9293, 91.9295, 101.0811



20.1910, 21.2297, 22.8484



0.0000, 0.0000, 0.0000

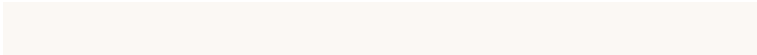


20.3446, 21.4041, 23.3091

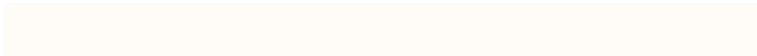


# Same Dimension

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



89.6828, 94.1798, 99.0410



92.8071, 97.4460, 102.1966



90.4433, 95.9500, 99.3426



18.8970, 19.8302, 20.5857



26.2690, 21.4947, 2.7644



2.5381, 2.2011, 0.2911



# Inverse Universe

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



87.9816, 92.7183, 104.5273



90.9111, 95.8174, 108.3108



87.2350, 90.9845, 104.2320



18.4082, 19.4104, 22.1617



12.0768, 9.5092, 49.1725

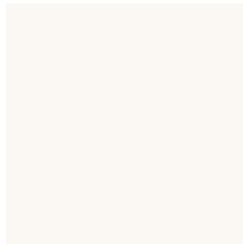


1.2213, 1.0863, 4.5885



# Previews

## White Background



This preview shows how the XYZ color 89.6802, 94.1757, 99.0390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

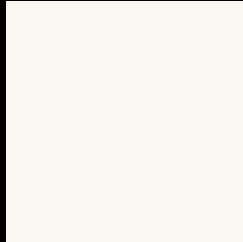
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.6802, 94.1757, 99.0390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

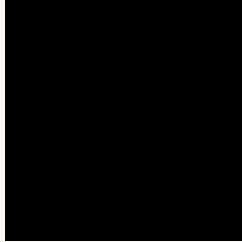
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

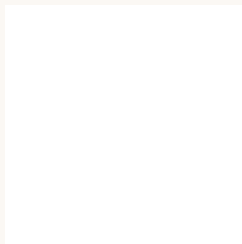
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.6802, 94.1757, 99.0390

## Background



This preview shows how black text looks on a background with the XYZ color 89.6802, 94.1757, 99.0390.



This preview shows how white text looks on a background with the XYZ color 89.6802, 94.1757,



# 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**

89.6802, 94.1757, 99.0390

**Protanopia**

90.4629, 94.1240, 98.9878

**Deuteranopia**

91.1390, 93.9488, 102.1373

## **Tritanopia**

91.0944, 94.2508, 107.9988

# Trichromacy



**Original Color**

89.6802, 94.1757, 99.0390

**Protanomaly**

90.0979, 93.9358, 98.9707

**Deuteranomaly**

90.9223, 94.3078, 101.4068

**Tritanomaly**

90.4570, 93.9958, 104.6422

# Monochromacy



**Original Color**

89.6802, 94.1757, 99.0390

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.4228, 93.9899, 101.4245

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.6802, 94.1757, 99.0390 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(251, 248, 244) looks like.

```
.text, #text, p{  
    color:rgb(251, 248, 244)  
}
```

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(251, 248, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 248, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 89.6802, 94.1757, 99.0390 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(251, 248, 244) }
```



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

```
.border{ border-color:rgb(251, 248, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 248, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 248, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 248, 244);  
box-shadow:4px 4px 4px 4px rgb(251, 248,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.6802, 94.1757, 99.0390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 248, 244) }
```

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

```
.background{ background-color: rgb(251,  
248, 244) }
```

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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