

# Converting Colors

XYZ(89.0021, 94.1108,  
100.8949)

Have a look what the booklet for  
XYZ(89.0021, 94.1108, 100.8949)  
contains.

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# **Color**

**XYZ(89.2216, 94.3616,  
100.6999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F9F6
RGB	248, 249, 246
RGB Percent	97%, 98%, 96%
CMY	0.0274, 0.0235, 0.0353
CMYK	0.00, 0.00, 0.01, 0.02
HSL	80°, 20%, 97%
HSV	80°, 1%, 98%
XYZ	89.2216, 94.3616, 100.6999
YIQ	248.3590, 0.3670, -1.1450

# Conversions

## Conversions Part 2

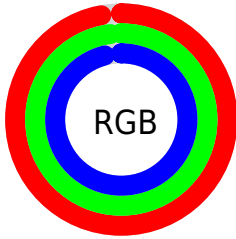
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 249, 247
Decimal	16316918
CIE Lab	97.78, -0.85, 1.31
CIE LCh	98, 1.562, 123.029
Yxy	94.3616, 0.3138, 0.3319
Android (android.graphics.Color)	4294506998 (0xFF8F9F6)
YUV	248.3590, -1.1630, -0.3148
Hunter-Lab	97.1399, -6.0451, 6.5351

# Details

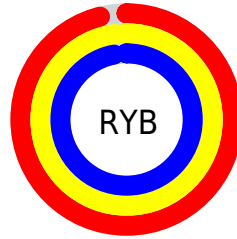
The XYZ color 89.2216, 94.3616, 100.6999 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4160, 92.5278, 102.8270, and the grayscale version is 89.5281, 94.1906, 102.5735.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1025, 53.0641, 56.3169 is the 20% darker color. If you saturate the color by 10%, you get 82.7677, 91.4496, 81.7665, and if you desaturate by 10%, it is 93.1675, 96.2350, 108.2725.

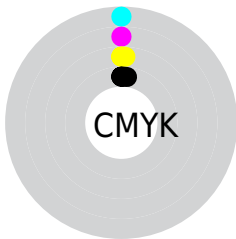
# Distribution



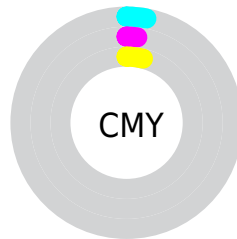
- Red (97%)
- Green (98%)
- Blue (96%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.2216, 94.3616, 100.6999 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 89.2216, 94.3616, 100.6999 by changing the saturation by 10% instead.



89.2216, 94.3616,  
100.6999

89.2216, 94.3616,  
100.6999

513.7712,  
542.1192, 583.7001

67.6694, 71.6037,  
76.2650

145.1405,  
153.3823, 164.1789

49.9015, 52.8350,  
56.1419

180.2380,  
190.4140, 204.0602

35.5526, 37.6711,  
39.9120

220.5812,  
232.9724, 249.9273

24.2574, 25.7275,  
27.1566

266.5355,  
281.4419, 302.1989

15.6504, 16.6199,  
17.4574

318.4663,  
336.2070, 361.2934

9.3664, 9.9639,  
10.3958

376.7389,

5.0399, 5.3750,

397.6519, 427.6294

5.5531

441.7188,  
466.1612, 501.6255

■ 2.3057, 2.4689,  
2.5110

■ 0.7976, 0.8610,  
0.8460

■ 89.2216, 94.3616,  
100.6999

■ 89.2216, 94.3616,  
100.6999

■ 82.7677, 91.4496,  
81.7665

■ 93.1675, 96.2350,  
108.2725

■ 76.9329, 88.7972,  
65.4291

■ 71.6967, 86.3991,  
51.5760

■ 67.0340, 84.2449,  
40.0851

■ 62.9180, 82.3237,  
30.8239

■ 59.3192, 80.6236,  
23.6467

■ 56.2048, 79.1312,  
18.3908

■ 53.5374, 77.8313,  
14.8691

■ 51.2724, 76.7058,  
12.8572

# Harmonies

## Analogous

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



89.6426, 94.3616, 100.3124



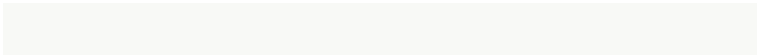
89.2216, 94.3616, 100.6999



88.9263, 94.3616, 101.6347

# Triad

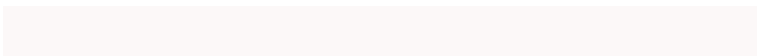
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2216, 94.3616, 100.6999



89.2998, 94.3616, 104.9465



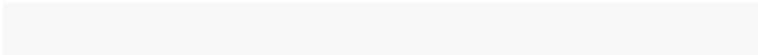
90.5463, 94.3616, 102.6141

# Complementary

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



89.2216, 94.3616, 100.6999



88.4160, 92.5278, 102.8270

# 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.



90.4538, 94.3616, 103.8608



89.2216, 94.3616, 100.6999



89.7332, 94.3616, 105.2140

# Square

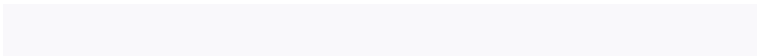
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



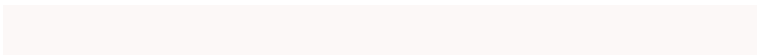
89.2216, 94.3616, 100.6999



88.9714, 94.3616, 104.0872



90.1558, 94.3616, 104.8151

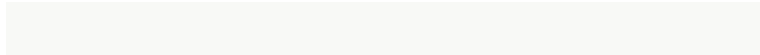


90.4082, 94.3616, 101.4119

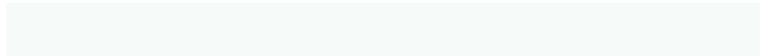


# Rectangle

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



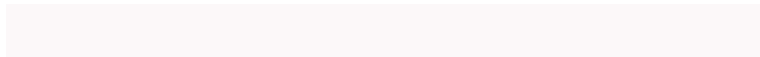
89.2216, 94.3616, 100.6999



88.8400, 94.3616, 102.4462



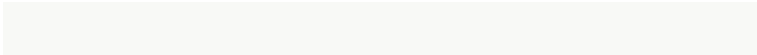
90.1558, 94.3616, 104.8151



90.5411, 94.3616, 103.0419

# Sweetspot

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



89.2243, 94.3657, 100.7020

95.0500, 100.0000, 108.9000



88.9656, 93.3182, 100.5134



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.



89.2243, 94.3657, 100.7020



94.3292, 99.6755, 106.7374



88.6948, 94.0927, 100.6772



19.3358, 20.4271, 21.8933



26.6805, 40.6726, 6.4444

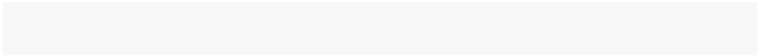


2.5835, 3.8250, 0.6021



# Inverse Universe

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



88.4160, 92.5278, 102.8270



93.6201, 98.0633, 108.6015



88.9469, 92.8014, 102.8518



19.1979, 20.1136, 22.2558



11.2081, 4.7207, 48.2940

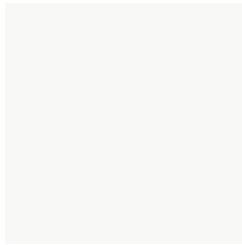


1.1456, 0.4927, 4.4779



# Previews

## White Background



This preview shows how the XYZ color 89.2216, 94.3616, 100.6999 looks on a white background.

## Color Contrast Check

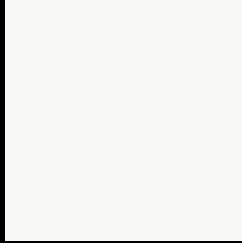
Large Text (above 18pt) WCAG AA × Fail

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 89.2216, 94.3616, 100.6999 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

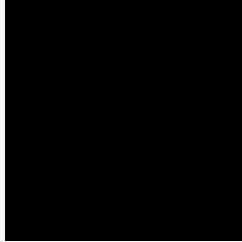
Any Text WCAG AAA ✓ Pass

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

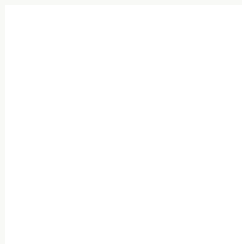


# XYZ 89.2216, 94.3616, 100.6999

## Background



This preview shows how black text looks on a background with the XYZ color 89.2216, 94.3616, 100.6999.



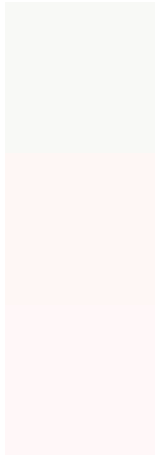
This preview shows how white text looks on a background with the XYZ color 89.2216, 94.3616,

100.6999.

# 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

89.2216, 94.3616, 100.6999

### Protanopia

90.6152, 94.1849, 99.7898

### Deuteranopia

91.4440, 94.5588, 102.2390

## **Tritanopia**

90.6843, 94.4945, 108.0674

# Trichromacy

## Original Color

89.2216, 94.3616, 100.6999

## Protanomaly

90.1937, 94.4228, 99.8579

## Deuteranomaly

90.5008, 94.5457, 101.4749

## Tritanomaly

90.2050, 94.3028, 105.5434

# Monochromacy

## Original Color

89.2216, 94.3616, 100.6999

## 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 89.2216, 94.3616, 100.6999 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(248, 249, 246) looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 89.2216, 94.3616, 100.6999 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(248, 249, 246) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to XYZ 89.2216, 94.3616, 100.6999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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