

Converting Colors

XYZ(89.3416, 94.5434, 99.5745)

Have a look what the booklet for
XYZ(89.3416, 94.5434, 99.5745)
contains.

XYZ(89.4240, 94.4837, 99.9102)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(89.4240, 94.4837,
99.9102)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F9F5
RGB	249, 249, 245
RGB Percent	98%, 98%, 96%
CMY	0.0235, 0.0235, 0.0392
CMYK	0.00, 0.00, 0.02, 0.02
HSL	60°, 25%, 97%
HSV	60°, 2%, 98%
XYZ	89.4240, 94.4837, 99.9102
YIQ	248.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

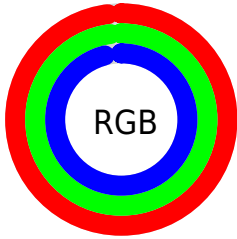
Format	Color
R _Y B	245, 249, 245
Decimal	16382453
CIE Lab	97.83, -0.69, 1.90
CIE LCh	98, 2.027, 109.989
Yxy	94.4837, 0.3151, 0.3329
Android (android.graphics.Color)	4294572533 (0xFFFF9F9F5)
YUV	248.5440, -1.7472, 0.3999
Hunter-Lab	97.2027, -5.8894, 7.1005

Details

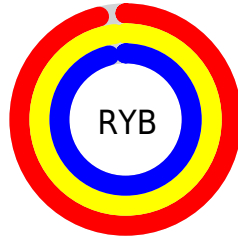
The XYZ color 89.4240, 94.4837, 99.9102 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.4112, 91.5594, 102.6932, and the grayscale version is 89.6838, 94.3544, 102.7519.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2476, 53.1515, 55.7550 is the 20% darker color. If you saturate the color by 10%, you get 85.8663, 93.0624, 81.2176, and if you desaturate by 10%, it is 91.0053, 95.1204, 108.1713.

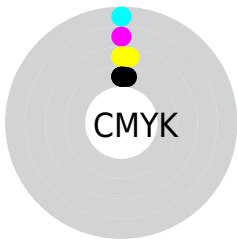
Distribution



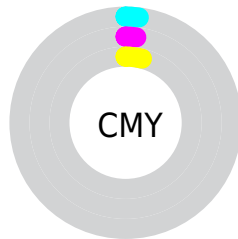
- Red (98%)
- Green (98%)
- Blue (96%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 89.4240, 94.4837, 99.9102 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 89.4240, 94.4837, 99.9102 by changing the saturation by 10% instead.

89.4240, 94.4837,
99.9102

89.4240, 94.4837,
99.9102

514.4212,
542.5108, 581.1489

67.8377, 71.7053,
75.6091

145.4205,
153.5511, 163.0846

50.0389, 52.9180,
55.6073

180.5614,
190.6090, 202.7949

35.6622, 37.7373,
39.4863

220.9511,
233.1954, 248.4787

24.3423, 25.7789,
26.8275

266.9552,
281.6949, 300.5546

15.7139, 16.6583,
17.2124

318.9389,
336.4918, 359.4410

9.4115, 9.9912,
10.2225

377.2676,

5.0698, 5.3931,

397.9705, 425.5565

5.4392

442.3065,
466.5153, 499.3196

■ 2.3234, 2.4797,
2.4440

■ 0.8066, 0.8664,
0.8102

■ 89.4240, 94.4837,
99.9102

■ 89.4240, 94.4837,
99.9102

■ 85.8663, 93.0624,
81.2176

■ 91.0053, 95.1204,
108.1713

■ 82.7973, 91.8336,
65.1105

■ 91.0157, 95.1258,
108.1718


■ 80.1980, 90.7927,
51.4770

■ 91.0260, 95.1311,
108.1723


■ 78.0452, 89.9304,
40.1947


■ 91.0364, 95.1365,
108.1728


 76.3137, 89.2366,
31.1306


 91.0468, 95.1418,
108.1733


 74.9757, 88.7002,
24.1388


 91.0571, 95.1471,
108.1738


 74.0001, 88.3088,
19.0555

 91.0675, 95.1525,
108.1742

 73.3513, 88.0481,
15.6928

 91.0779, 95.1578,
108.1747

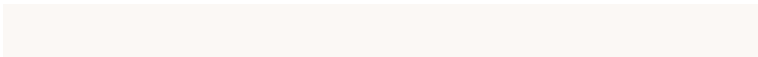
 72.9862, 87.9008,
13.8242

 91.0883, 95.1632,
108.1752

Harmonies

Analogous

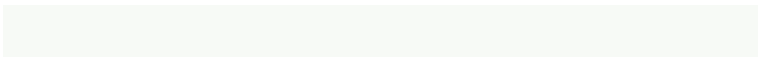
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9975, 94.4837, 99.7696



89.4240, 94.4837, 99.9102



88.9542, 94.4837, 100.8409

Triad

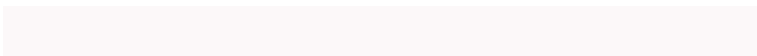
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4240, 94.4837, 99.9102



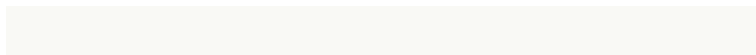
89.0902, 94.4837, 105.3374



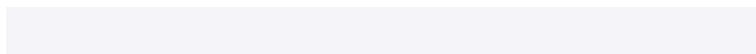
90.9044, 94.4837, 103.4318

Complementary

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



89.4240, 94.4837, 99.9102



87.4112, 91.5594, 102.6932

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.



90.6591, 94.4837, 104.9397



89.4240, 94.4837, 99.9102



89.6106, 94.4837, 106.0477

Square

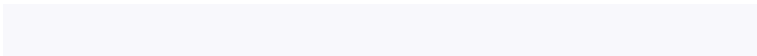
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



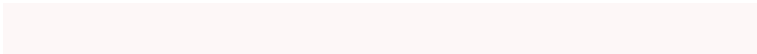
89.4240, 94.4837, 99.9102



88.7620, 94.4837, 103.9701



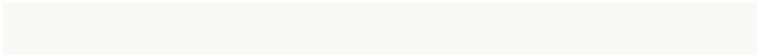
90.1849, 94.4837, 105.9013



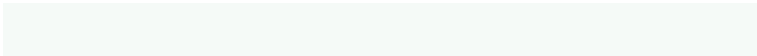
90.8539, 94.4837, 101.7909

Rectangle

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



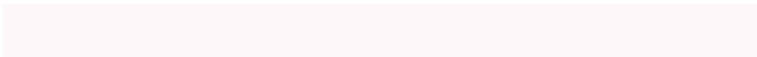
89.4240, 94.4837, 99.9102



88.7622, 94.4837, 101.7898



90.1849, 94.4837, 105.9013



90.8538, 94.4837, 103.9713

Sweetspot

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



89.4267, 94.4878, 99.9123

95.0500, 100.0000, 108.9000



88.2037, 92.0394, 99.5041



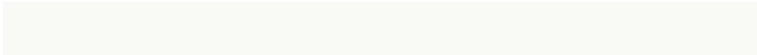
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

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



89.4267, 94.4878, 99.9123



94.2374, 99.6747, 104.6326



88.7184, 94.1226, 99.8791



19.3179, 20.4269, 21.4838



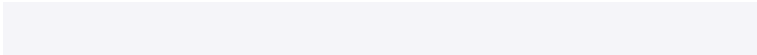
38.9906, 47.0187, 7.0205



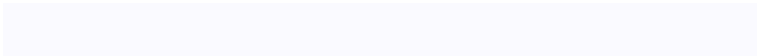
3.6118, 4.3551, 0.6502

Inverse Universe

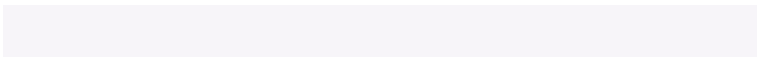
The Inverse Universe completely reimagines the original color for something new.



87.4112, 91.5594, 102.6932



91.5952, 95.8357, 108.2783



88.1119, 91.9207, 102.7259



18.8040, 19.6803, 22.1929



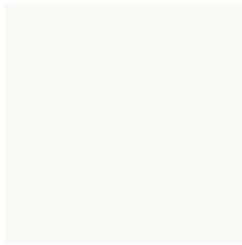
9.1555, 3.6625, 48.1979



0.8486, 0.3395, 4.4640

Previews

White Background



This preview shows how the XYZ color 89.4240, 94.4837, 99.9102 looks on a white background.

Color Contrast Check

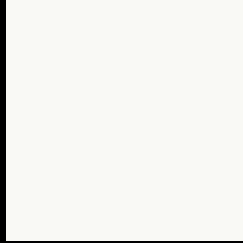
Large Text (above 18pt) WCAG AA × Fail

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 89.4240, 94.4837, 99.9102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

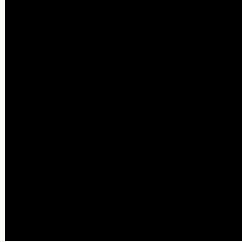
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

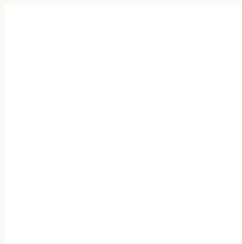
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 89.4240, 94.4837, 99.9102

Background



This preview shows how black text looks on a background with the XYZ color 89.4240, 94.4837, 99.9102.

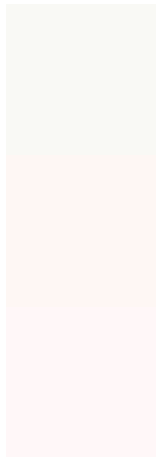


This preview shows how white text looks on a background with the XYZ color 89.4240, 94.4837,

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

89.4240, 94.4837, 99.9102

Protanopia

90.4629, 94.1240, 98.9878

Deuteranopia

91.4440, 94.5588, 102.2390

Tritanopia

91.0417, 94.6788, 108.0842

Trichromacy



Original Color

89.4240, 94.4837, 99.9102

Protanomaly

90.0414, 94.3619, 99.0559

Deuteranomaly

90.8639, 94.7329, 101.4919

Tritanomaly

90.4043, 94.4238, 104.7276

Monochromacy



Original Color

89.4240, 94.4837, 99.9102

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.8859, 94.6684, 102.3423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.4240, 94.4837, 99.9102 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, 249, 245) looks like.

```
.text, #text, p{  
    color:rgb(249, 249, 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(249, 249, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 249, 245) }
```

Border

The CSS property to change the border of an element to XYZ 89.4240, 94.4837, 99.9102 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, 249, 245) }
```

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

```
.border{ border-color:rgb(249, 249, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 249, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 249, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 249, 245);  
box-shadow:4px 4px 4px 4px rgb(249, 249,  
245) }
```


Background

The CSS property to change the background color of an element to XYZ 89.4240, 94.4837, 99.9102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 249, 245) }
```

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

```
.background{ background-color: rgb(249,  
249, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor