

Converting Colors

XYZ(89.3444, 94.7279, 88.0724)

Have a look what the booklet for
XYZ(89.3444, 94.7279, 88.0724)
contains.

XYZ(89.3986, 94.7245, 88.4348)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(89.3986, 94.7245,
88.4348)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9E6
RGB	255, 249, 230
RGB Percent	100%, 98%, 90%
CMY	0.0000, 0.0235, 0.0980
CMYK	0.00, 0.02, 0.10, 0.00
HSL	46°, 100%, 95%
HSV	46°, 10%, 100%
XYZ	89.3986, 94.7245, 88.4348
YIQ	248.6280, 9.6750, -4.6370

Conversions

Conversions Part 2

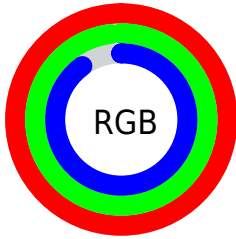
Format	Color
R_{YB}	238, 255, 230
Decimal	16775654
CIE Lab	97.92, -1.16, 9.82
CIE LCh	98, 9.884, 96.714
Yxy	94.7245, 0.3280, 0.3475
Android (android.graphics.Color)	4294965734 (0xFFFFF9E6)
YUV	248.6280, -9.1836, 5.5882
Hunter-Lab	97.3265, -6.3614, 14.2553

Details

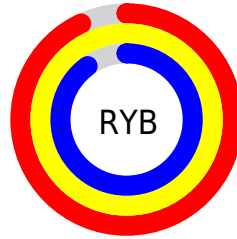
The XYZ color 89.3986, 94.7245, 88.4348 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.6780, 84.0318, 106.5753, and the grayscale version is 89.8066, 94.4835, 102.8925.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0965, 53.2408, 48.1936 is the 20% darker color. If you saturate the color by 10%, you get 84.2177, 89.6803, 70.3142, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

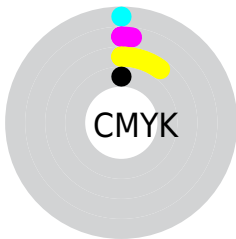
Distribution



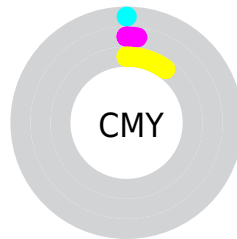
- Red (100%)
- Green (98%)
- Blue (90%)



- Red (93%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.3986, 94.7245, 88.4348 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 89.3986, 94.7245, 88.4348 by changing the saturation by 10% instead.


 89.3986, 94.7245,
88.4348

 89.3986, 94.7245,
88.4348


514.3397,
543.2826, 543.3642

 67.8166, 71.9057,
66.1168

145.3853,
153.8839, 147.0788

 50.0217, 53.0816,
47.9102


180.5208,
190.9934, 184.2419

 35.6485, 37.8680,
33.3963


220.9047,
233.6351, 227.1905

 24.3317, 25.8802,
22.1566

266.9025,
282.1936, 276.3431

 15.7059, 16.7341,
13.7726

318.8796,
337.0532, 332.1182

 9.4058, 10.0451,
7.8257

377.2012,

 5.0660, 5.4288,

398.5983, 394.9344

3.8975

442.2328,
467.2133, 465.2102

■ 2.3212, 2.5010,
1.5693

■ 0.8055, 0.8771,
0.2687

■ 89.3986, 94.7245,
88.4348

■ 89.3986, 94.7245,
88.4348

■ 84.2177, 89.6803,
70.3142

95.0500, 100.0000,
108.9000

■ 79.5967, 84.9545,
54.8515

■ 75.5131, 80.5402,
41.9206

■ 71.9399, 76.4256,
31.3827

■ 68.8476, 72.5981,
23.0854

■ 66.2034, 69.0434,
16.8589

■ 63.9698, 65.7457,
12.5089

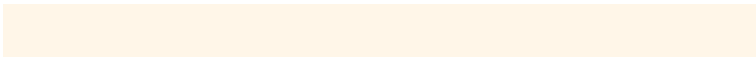
■ 62.1022, 62.6860,
9.8039

■ 60.5297, 59.8350,
8.3735

Harmonies

Analogous

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



92.1992, 94.7245, 89.4873



89.3986, 94.7245, 88.4348



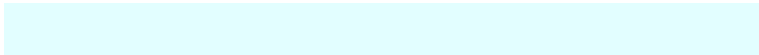
86.8214, 94.7245, 91.1536

Triad

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



89.3986, 94.7245, 88.4348



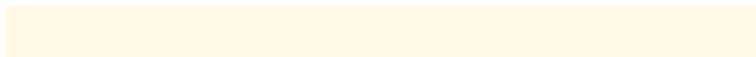
85.7444, 94.7245, 112.7304



95.1197, 94.7245, 109.4175

Complementary

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



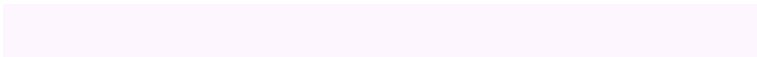
89.3986, 94.7245, 88.4348



80.6780, 84.0318, 106.5753

Split Complementary

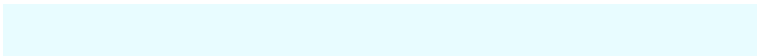
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.3224, 94.7245, 116.1312



89.3986, 94.7245, 88.4348



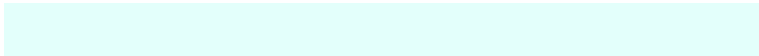
87.9006, 94.7245, 118.1127

Square

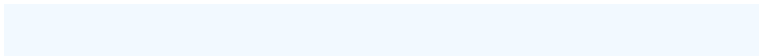
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3986, 94.7245, 88.4348



84.7404, 94.7245, 104.9702



90.6700, 94.7245, 119.3887



95.5411, 94.7245, 101.3290

Rectangle

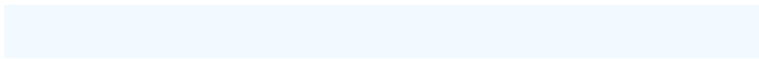
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.3986, 94.7245, 88.4348



85.5639, 94.7245, 94.8272



90.6700, 94.7245, 119.3887



94.6547, 94.7245, 111.9225

Sweetspot

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



89.4008, 94.7284, 88.4368



93.2602, 98.3523, 102.3477



84.7142, 83.9255, 91.2829



19.8611, 20.9583, 21.5411



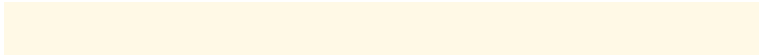
0.0000, 0.0000, 0.0000



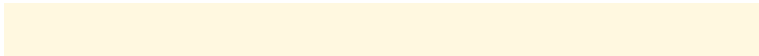
20.3446, 21.4041, 23.3091

Same Dimension

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



89.4008, 94.7284, 88.4368



88.2127, 93.5913, 84.2214



89.0212, 97.3272, 88.9584



19.1705, 20.3091, 19.0540



31.7344, 31.4801, 4.4037



3.1742, 3.2337, 0.4569

Inverse Universe

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



80.6780, 84.0318, 106.5753



77.6972, 80.6966, 106.0887



81.0230, 81.6906, 106.1052



17.3566, 18.0848, 22.8259



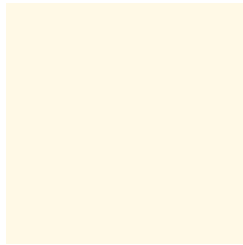
10.4029, 5.7154, 49.9895



1.0932, 0.7171, 4.8941

Previews

White Background



This preview shows how the XYZ color 89.3986, 94.7245, 88.4348 looks on a white background.

Color Contrast Check

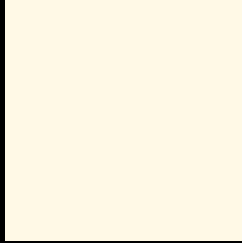
Large Text (above 18pt) WCAG AA × Fail

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 89.3986, 94.7245, 88.4348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

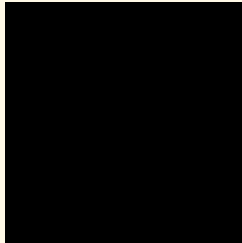
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.3986, 94.7245, 88.4348

Background



This preview shows how black text looks on a background with the XYZ color 89.3986, 94.7245, 88.4348.

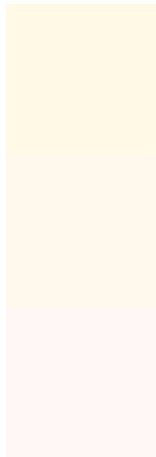


This preview shows how white text looks on a background with the XYZ color 89.3986, 94.7245,

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

89.3986, 94.7245, 88.4348

Protanopia

89.9477, 94.4509, 92.8470

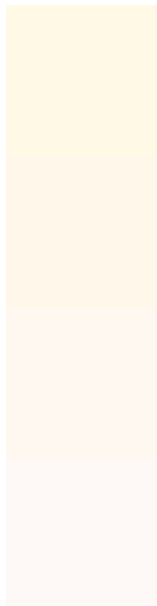
Deuteranopia

91.1353, 94.4353, 100.6133

Tritanopia

91.8188, 94.6242, 108.0327

Trichromacy



Original Color

89.3986, 94.7245, 88.4348

Protanomaly

89.6587, 94.3353, 91.3249

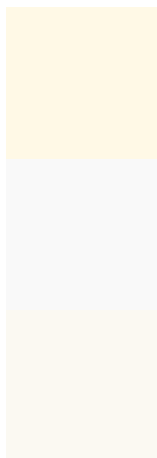
Deuteranomaly

90.5356, 94.6861, 95.9426

Tritanomaly

91.0750, 94.8595, 100.6983

Monochromacy



Original Color

89.3986, 94.7245, 88.4348

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.6864, 94.6714, 97.5508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.3986, 94.7245, 88.4348 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(255, 249, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 230)  
}
```

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(255, 249, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 230) }
```

Border

The CSS property to change the border of an element to XYZ 89.3986, 94.7245, 88.4348 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(255, 249, 230) }
```


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

```
.border{ border-color:rgb(255, 249, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 89.3986, 94.7245, 88.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 230) }
```

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

```
.background{ background-color: rgb(255,  
249, 230) }
```

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