

Converting Colors

XYZ(89.6166, 95.3478, 90.7820)

Have a look what the booklet for
XYZ(89.6166, 95.3478, 90.7820)
contains.

XYZ(89.4016, 95.1371, 90.7421)	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(89.4016, 95.1371,
90.7421)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFAE9
RGB	253, 250, 233
RGB Percent	99%, 98%, 91%
CMY	0.0078, 0.0196, 0.0863
CMYK	0.00, 0.01, 0.08, 0.01
HSL	51°, 83%, 95%
HSV	51°, 8%, 99%
XYZ	89.4016, 95.1371, 90.7421
YIQ	248.9590, 7.2450, -4.6510

Conversions

Conversions Part 2

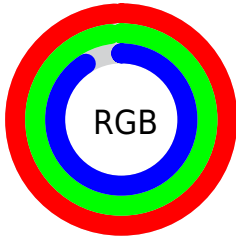
Format	Color
R_{YB}	237, 253, 233
Decimal	16644841
CIE _{Lab}	98.09, -1.86, 8.49
CIE _{LCh}	98, 8.694, 102.368
Yxy	95.1371, 0.3248, 0.3456
Android (android.graphics.Color)	4294834921 (0xFFFDFAE9)
YUV	248.9590, -7.8678, 3.5440
Hunter-Lab	97.5382, -7.0824, 13.1179

Details

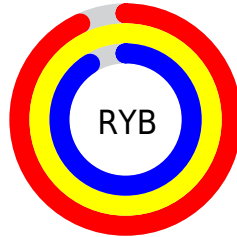
The XYZ color 89.4016, 95.1371, 90.7421 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.3292, 84.4049, 104.9347, and the grayscale version is 90.0696, 94.7602, 103.1939.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9925, 53.4937, 49.2854 is the 20% darker color. If you saturate the color by 10%, you get 84.8789, 91.4662, 72.6634, and if you desaturate by 10%, it is 93.9352, 98.8564, 108.7380.

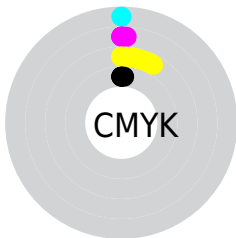
Distribution



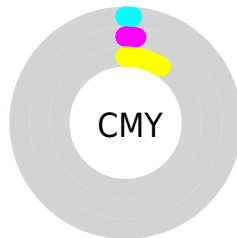
- Red (99%)
- Green (98%)
- Blue (91%)



- Red (93%)
- Yellow (99%)
- Blue (91%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (1%)





- Cyan (1%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.4016, 95.1371, 90.7421 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 89.4016, 95.1371, 90.7421 by changing the saturation by 10% instead.


 89.4016, 95.1371,
90.7421

 89.4016, 95.1371,
90.7421


514.3493,
544.6038, 551.0742

 67.8191, 72.2491,
68.0191


145.3895,
154.4540, 150.3133

 50.0237, 53.3622,
49.4465


180.5256,
191.6517, 187.9986

 35.6501, 38.0920,
34.6057


220.9102,
234.3880, 231.5084

 24.3329, 26.0541,
23.0782

266.9088,
283.0475, 281.2613

 15.7069, 16.8641,
14.4454

318.8866,
338.0144, 337.6758

 9.4065, 10.1376,
8.2888

377.2091,

 5.0665, 5.4903,

399.6731, 401.1704

4.1899

442.2415,
468.4081, 472.1637

■ 2.3215, 2.5377,
1.7301

■ 0.8056, 0.8955,
0.3812

■ 89.4016, 95.1371,
90.7421

■ 89.4016, 95.1371,
90.7421

■ 84.8789, 91.4662,
72.6634

93.9352, 98.8564,
108.7380

■ 80.8734, 88.0367,
57.2042

94.3184, 99.6229,
108.8658

■ 77.3642, 84.8432,
44.2426

■ 74.3255, 81.8750,
33.6447

■ 71.7296, 79.1209,
25.2640

■ 69.5453, 76.5682,
18.9379

■ 67.7374, 74.2025,
14.4811

■ 66.2642, 72.0070,
11.6752

■ 65.0698, 69.9591,
10.2261

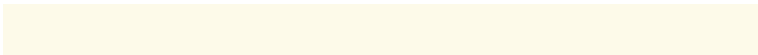
Harmonies

Analogous

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



91.8855, 95.1371, 91.0414



89.4016, 95.1371, 90.7421



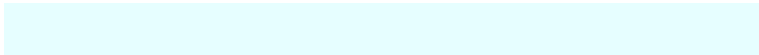
87.2313, 95.1371, 93.7675

Triad

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



89.4016, 95.1371, 90.7421



86.9275, 95.1371, 113.1229



95.0732, 95.1371, 107.8048

Complementary

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



89.4016, 95.1371, 90.7421



81.3292, 84.4049, 104.9347

Split Complementary

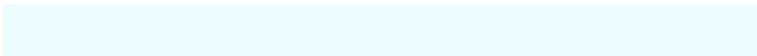
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6956, 95.1371, 114.0716



89.4016, 95.1371, 90.7421



88.9799, 95.1371, 117.2377

Square

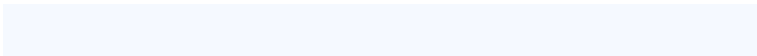
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



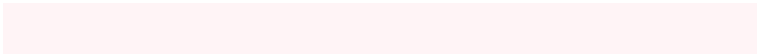
89.4016, 95.1371, 90.7421



85.8206, 95.1371, 106.5580



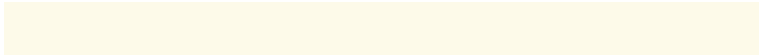
91.4561, 95.1371, 117.5927



95.1911, 95.1371, 100.6739

Rectangle

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



89.4016, 95.1371, 90.7421



86.2421, 95.1371, 97.3472



91.4561, 95.1371, 117.5927



94.7409, 95.1371, 110.0902

Sweetspot

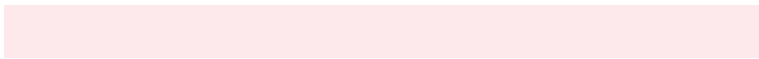
The Sweet Spot groups the original color and five complimentary colors.



89.4042, 95.1413, 90.7442



93.9965, 99.1895, 104.5516



84.7884, 85.2179, 91.3381



20.1302, 21.2392, 22.4239



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.



89.4042, 95.1413, 90.7442



90.4860, 96.4358, 90.2260



87.8404, 95.7277, 90.9398



19.3158, 20.5998, 19.1024



34.5769, 37.1650, 5.3512



3.4268, 3.7389, 0.5411

Inverse Universe

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



81.3292, 84.4049, 104.9347



81.1928, 84.0800, 106.5575



82.8050, 83.8963, 104.7588



17.2225, 17.8166, 22.7812



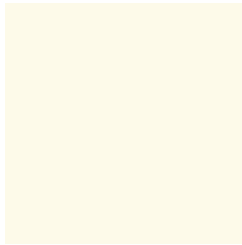
9.8621, 4.6338, 49.8092



1.0219, 0.5746, 4.8703

Previews

White Background



This preview shows how the XYZ color 89.4016, 95.1371, 90.7421 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 89.4016, 95.1371, 90.7421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

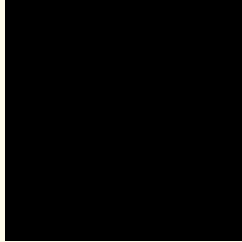
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.4016, 95.1371, 90.7421

Background



This preview shows how black text looks on a background with the XYZ color 89.4016, 95.1371, 90.7421.



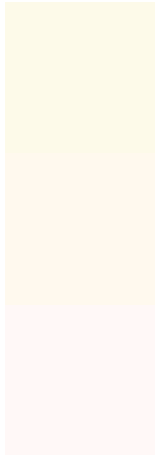
This preview shows how white text looks on a background with the XYZ color 89.4016, 95.1371,

90.7421.

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

89.4016, 95.1371, 90.7421

Protanopia

90.5483, 95.1844, 94.4889

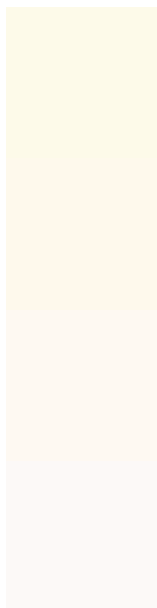
Deuteranopia

91.5959, 95.1102, 101.5262

Tritanopia

91.7623, 95.0503, 108.1179

Trichromacy



Original Color

89.4016, 95.1371, 90.7421

Protanomaly

89.8891, 94.8783, 92.9326

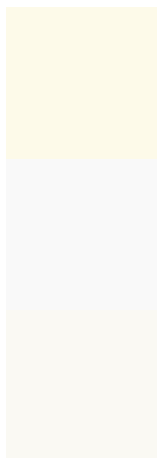
Deuteranomaly

90.7757, 95.2330, 97.6018

Tritanomaly

90.8091, 95.1622, 101.5777

Monochromacy



Original Color

89.4016, 95.1371, 90.7421

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.4777, 94.5464, 98.3273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.4016, 95.1371, 90.7421 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(253, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(253, 250, 233)  
}
```

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(253, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 250, 233) }
```

Border

The CSS property to change the border of an element to XYZ 89.4016, 95.1371, 90.7421 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(253, 250, 233) }
```


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

```
.border{ border-color:rgb(253, 250, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 250, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(253, 250,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 89.4016, 95.1371, 90.7421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 250, 233) }
```

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

```
.background{ background-color: rgb(253,  
250, 233) }
```

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