

# Converting Colors

XYZ(97.7081, 100.3276,  
89.6417)

Have a look what the booklet for  
XYZ(97.7081, 100.3276, 89.6417)  
contains.

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# Color

**XYZ(90.4742, 96.6503,  
89.4882)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFCE7
RGB	255, 252, 231
RGB Percent	100%, 99%, 91%
CMY	0.0000, 0.0117, 0.0941
CMYK	0.00, 0.01, 0.09, 0.00
HSL	53°, 100%, 95%
HSV	53°, 9%, 100%
XYZ	90.4742, 96.6503, 89.4882
YIQ	250.5030, 8.5290, -5.8950

# Conversions

## Conversions Part 2

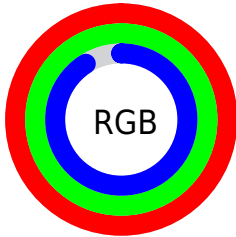
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 255, 231
Decimal	16776423
CIE Lab	98.69, -2.50, 10.40
CIE LCh	99, 10.698, 103.538
Yxy	96.6503, 0.3271, 0.3494
Android (android.graphics.Color)	4294966503 (0xFFFFFCE7)
YUV	250.5030, -9.6150, 3.9439
Hunter-Lab	98.3109, -7.7729, 14.8485

# Details

The XYZ color 90.4742, 96.6503, 89.4882 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.4272, 83.0525, 106.3995, and the grayscale version is 91.3565, 96.1142, 104.6684.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5417, 54.1311, 48.3420 is the 20% darker color. If you saturate the color by 10%, you get 86.1417, 93.3353, 71.5511, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

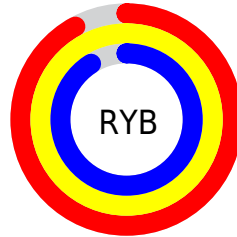
# Distribution



Red (100%)

Green (99%)

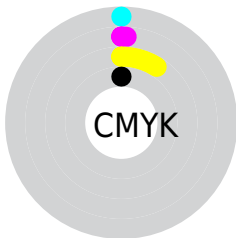
Blue (91%)



Red (92%)

Yellow (100%)

Blue (91%)

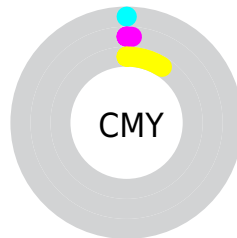


Cyan (0%)

Magenta (1%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (1%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.4742, 96.6503, 89.4882 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 90.4742, 96.6503, 89.4882 by changing the saturation by 10% instead.



90.4742, 96.6503,  
89.4882

90.4742, 96.6503,  
89.4882

517.7871,  
549.4348, 546.8917

68.7116, 73.5093,  
66.9849

146.8719,  
156.5426, 148.5566

50.7526, 54.3925,  
48.6108

182.2377,  
194.0627, 185.9588

36.2320, 38.9155,  
33.9475

222.8686,  
237.1445, 229.1643

24.7844, 26.6940,  
22.5762

269.1300,  
286.1726, 278.5918

16.0444, 17.3436,  
14.0785

321.3871,  
341.5313, 334.6597

9.6466, 10.4797,  
8.0359

380.0055,

5.2257, 5.7182,

403.6050, 397.7866

4.0299

445.3504,  
472.7780, 468.3911

■ 2.4164, 2.6745,  
1.6417

■ 0.8533, 0.9643,  
0.3203

■ 90.4742, 96.6503,  
89.4882

■ 90.4742, 96.6503,  
89.4882

■ 86.1417, 93.3353,  
71.5511

95.0500, 100.0000,  
108.9000

■ 82.3259, 90.2504,  
56.2621

■ 79.0046, 87.3898,  
43.4954

■ 76.1515, 84.7429,  
33.1129

■ 73.7377, 82.2980,  
24.9631

■ 71.7312, 80.0420,  
18.8771

■ 70.0951, 77.9602,  
14.6618

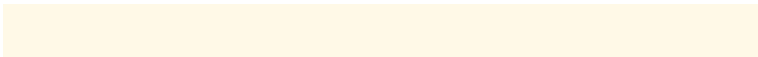
■ 68.7858, 76.0350,  
12.0879

■ 67.7363, 74.2394,  
10.8027

# Harmonies

## Analogous

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



93.5637, 96.6503, 89.6909



90.4742, 96.6503, 89.4882



87.8160, 96.6503, 93.3332

# Triad

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



90.4742, 96.6503, 89.4882



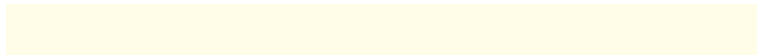
87.6073, 96.6503, 117.4451



97.7022, 96.6503, 110.1506

# Complementary

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



90.4742, 96.6503, 89.4882



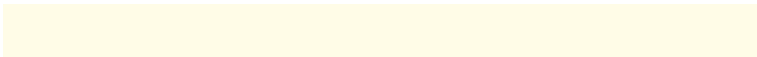
80.4272, 83.0525, 106.3995

# Split Complementary

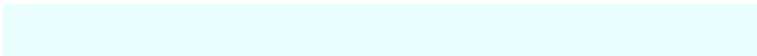
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0329, 96.6503, 118.1095



90.4742, 96.6503, 89.4882



90.1835, 96.6503, 122.4803

# Square

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



90.4742, 96.6503, 89.4882



86.1861, 96.6503, 109.2848



93.2664, 96.6503, 122.7302



97.7843, 96.6503, 101.2879



# Rectangle

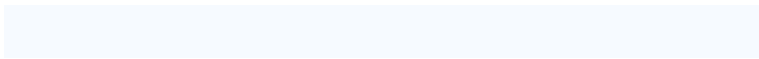
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.4742, 96.6503, 89.4882



86.6269, 96.6503, 97.8067



93.2664, 96.6503, 122.7302



97.3064, 96.6503, 113.0318

# Sweetspot

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



90.4764, 96.6543, 89.4903



93.5389, 98.9096, 102.4406



84.6967, 84.3650, 89.8140



19.9365, 21.1092, 21.5663



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.



90.4764, 96.6543, 89.4903



89.7520, 96.1109, 86.4577



88.2606, 96.9188, 89.6581



19.3565, 20.6811, 19.1160



35.4392, 38.8897, 5.6386



3.5025, 3.8903, 0.5663



# Inverse Universe

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



80.4272, 83.0525, 106.3995



78.1348, 80.3868, 106.0058



82.4942, 82.8634, 106.2541



17.1856, 17.7427, 22.7689



9.7552, 4.4201, 49.7736

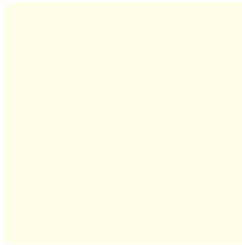


1.0046, 0.5400, 4.8645



# Previews

## White Background



This preview shows how the XYZ color 90.4742, 96.6503, 89.4882 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

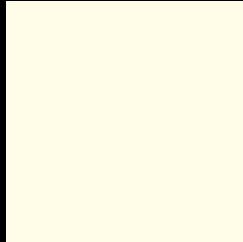
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.4742, 96.6503, 89.4882 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

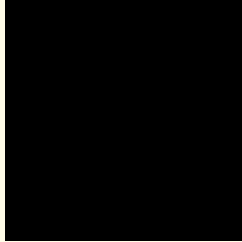
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.4742, 96.6503, 89.4882

## Background



This preview shows how black text looks on a background with the XYZ color 90.4742, 96.6503, 89.4882.



This preview shows how white text looks on a background with the XYZ color 90.4742, 96.6503,

89.482.

# 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

90.4742, 96.6503, 89.4882



### Protanopia

91.9148, 96.7254, 98.6195

### Deuteranopia

92.5245, 96.4708, 103.3667

## **Tritanopia**

92.7436, 96.4739, 108.3409

# Trichromacy



**Original Color**

90.4742, 96.6503, 89.4882

**Protanomaly**

91.3172, 96.4864, 95.4722

**Deuteranomaly**

91.7642, 96.6652, 97.8262

**Tritanomaly**

92.0048, 96.7190, 101.0082

# Monochromacy



**Original Color**

90.4742, 96.6503, 89.4882



**Achromatopsia**

91.6934, 96.4686, 105.0543



**Achromatomaly**

90.9712, 96.2215, 99.3659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.4742, 96.6503, 89.4882 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, 252, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 231)  
}
```

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, 252, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 90.4742, 96.6503, 89.4882 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, 252, 231) }
```



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

```
.border{ border-color:rgb(255, 252, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.4742, 96.6503, 89.4882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 231) }
```

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

```
.background{ background-color: rgb(255,  
252, 231) }
```

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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