

# Converting Colors

XYZ(89.8596, 98.4495, 84.8545)

Have a look what the booklet for  
XYZ(89.8596, 98.4495, 84.8545)  
contains.

<b>XYZ(89.3594, 97.5973, 84.6494)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(89.3594, 97.5973,  
84.6494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFFE0
RGB	252, 255, 224
RGB Percent	99%, 100%, 88%
CMY	0.0118, 0.0000, 0.1216
CMYK	0.01, 0.00, 0.12, 0.00
HSL	66°, 100%, 94%
HSV	66°, 12%, 100%
XYZ	89.3594, 97.5973, 84.6494
YIQ	250.5690, 8.1630, -10.2770

# Conversions

## Conversions Part 2

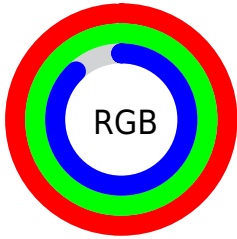
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 255, 227
Decimal	16580576
CIE <sub>Lab</sub>	99.06, -6.14, 14.48
CIE <sub>LCh</sub>	99, 15.732, 112.980
Yxy	97.5973, 0.3290, 0.3593
Android (android.graphics.Color)	4294770656 (0xFFFCFFE0)
YUV	250.5690, -13.0985, 1.2550
Hunter-Lab	98.7913, -11.4269, 18.3513

# Details

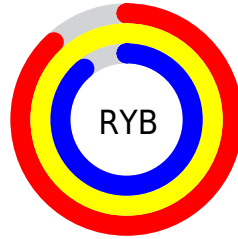
The XYZ color 89.3594, 97.5973, 84.6494 is a light color, and the websafe version is hex FFFFC0. A complement of this color would be 76.3851, 76.8634, 105.4179, and the grayscale version is 91.4366, 96.1985, 104.7601.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8612, 54.8548, 45.4962 is the 20% darker color. If you saturate the color by 10%, you get 85.2685, 95.8584, 67.7385, and if you desaturate by 10%, it is 93.9819, 99.5502, 104.2953.

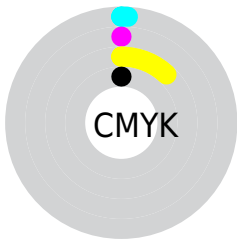
# Distribution



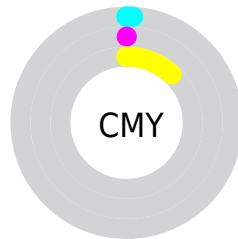
- Red (99%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (89%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.3594, 97.5973, 84.6494 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 89.3594, 97.5973, 84.6494 by changing the saturation by 10% instead.



89.3594, 97.5973,  
84.6494

89.3594, 97.5973,  
84.6494

514.2138,  
552.4470, 530.5815

67.7840, 74.2986,  
63.0032

145.3311,  
157.8480, 141.7530

49.9950, 55.0385,  
45.4028

180.4581,  
195.5689, 178.0476

35.6272, 39.4325,  
31.4296

220.8331,  
238.8658, 220.0621

24.3152, 27.0964,  
20.6650

266.8213,  
288.1234, 268.2149

15.6936, 17.6456,  
12.6905

318.7881,  
343.7259, 322.9248

9.3971, 10.6959,  
7.0875

377.0989,

5.0603, 5.8627,

406.0577, 384.6101

3.4376

442.1190,  
475.5033, 453.6895

■ 2.3178, 2.7618,  
1.3222

■ 0.8037, 1.0087,  
0.0799

■ 89.3594, 97.5973,  
84.6494

■ 89.3594, 97.5973,  
84.6494

■ 85.2685, 95.8584,  
67.7385

■ 93.9819, 99.5502,  
104.2953

■ 81.6843, 94.3235,  
53.4372

95.0500, 100.0000,  
108.9000

■ 78.5825, 92.9829,  
41.6165

■ 75.9363, 91.8258,  
32.1349

■ 73.7161, 90.8405,  
24.8366

■ 71.8886, 90.0136,  
19.5470

■ 70.4155, 89.3297,  
16.0647

■ 69.2506, 88.7705,  
14.1464

■ 68.4986, 88.3974,  
13.4521

# Harmonies

## Analogous

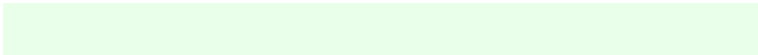
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8464, 97.5973, 83.0978



89.3594, 97.5973, 84.6494



85.8921, 97.5973, 91.7601

# Triad

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



89.3594, 97.5973, 84.6494



87.5491, 97.5973, 127.7576



101.8035, 97.5973, 109.3867

# Complementary

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



89.3594, 97.5973, 84.6494



76.3851, 76.8634, 105.4179

# 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.



99.9916, 97.5973, 122.2272



89.3594, 97.5973, 84.6494



91.6886, 97.5973, 133.3859

# Square

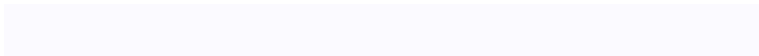
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



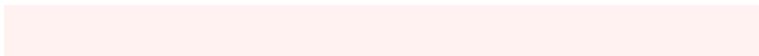
89.3594, 97.5973, 84.6494



84.8712, 97.5973, 116.4459



96.2526, 97.5973, 131.2830



101.1301, 97.5973, 96.6990

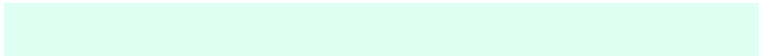


# Rectangle

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



89.3594, 97.5973, 84.6494



84.5757, 97.5973, 99.0372



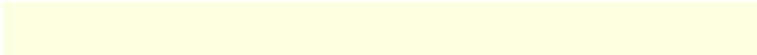
96.2526, 97.5973, 131.2830



101.4630, 97.5973, 113.8401

# Sweetspot

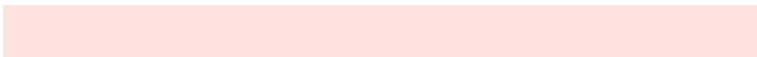
The Sweet Spot groups the original color and five complimentary colors.



89.3600, 97.5975, 84.6508



93.0888, 99.1737, 100.4623



82.0506, 81.3534, 81.9006



19.8480, 21.1948, 21.1743



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

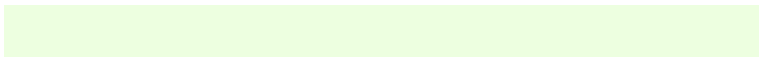
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3600, 97.5975, 84.6508



88.1434, 97.0816, 79.5682



84.1124, 94.8923, 84.4052



19.3778, 20.9962, 19.1757



35.8629, 46.2261, 7.0324



3.5401, 4.5257, 0.6870



# Inverse Universe

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



76.3851, 76.8634, 105.4179



72.4503, 72.0030, 104.6872



81.3530, 79.4245, 105.6504



17.1660, 17.4618, 22.7157



9.6905, 3.9061, 49.6778

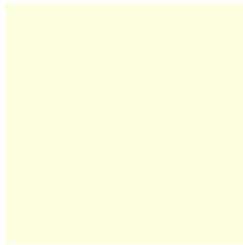


0.9955, 0.4071, 4.8394



# Previews

## White Background



This preview shows how the XYZ color 89.3594, 97.5973, 84.6494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

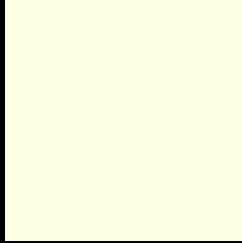
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.3594, 97.5973, 84.6494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

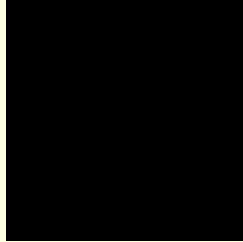
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.3594, 97.5973, 84.6494

## Background



This preview shows how black text looks on a background with the XYZ color 89.3594, 97.5973, 84.6494.



This preview shows how white text looks on a background with the XYZ color 89.3594, 97.5973,

84.6494.

# 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

89.3594, 97.5973, 84.6494

### Protanopia

92.6850, 97.5346, 101.1298

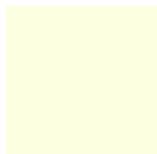
### Deuteranopia

93.3057, 97.7829, 104.3987

## **Tritanopia**

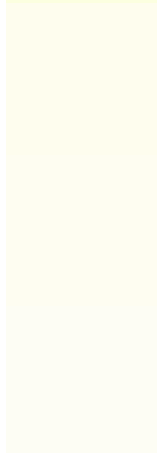
93.3684, 97.7235, 108.5492

# Trichromacy



## Original Color

89.3594, 97.5973, 84.6494



## Protanomaly

91.4309, 97.4944, 94.8883

## Deuteranomaly

91.8755, 97.6723, 97.2294

## Tritanomaly

91.9624, 97.6649, 99.5922

# Monochromacy



## Original Color

89.3594, 97.5973, 84.6494



## Achromatopsia

91.6934, 96.4686, 105.0543



## Achromatomaly

90.4712, 96.4809, 97.0734

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.3594, 97.5973, 84.6494 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(252, 255, 224) looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 224)  
}
```

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(252, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 89.3594, 97.5973, 84.6494 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(252, 255, 224) }
```



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

```
.border{ border-color:rgb(252, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.3594, 97.5973, 84.6494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 224) }
```

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

```
.background{ background-color: rgb(252,  
255, 224) }
```

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