

# Converting Colors

XYZ(125.1769, 169.6742,  
97.3876)

Have a look what the booklet for  
XYZ(125.1769, 169.6742, 97.3876)  
contains.

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# Color

**XYZ(89.1343, 97.4655,  
85.3490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFFE1
RGB	251, 255, 225
RGB Percent	98%, 100%, 88%
CMY	0.0157, 0.0000, 0.1176
CMYK	0.02, 0.00, 0.12, 0.00
HSL	68°, 100%, 94%
HSV	68°, 12%, 100%
XYZ	89.1343, 97.4655, 85.3490
YIQ	250.3840, 7.2460, -10.1780

# Conversions

## Conversions Part 2

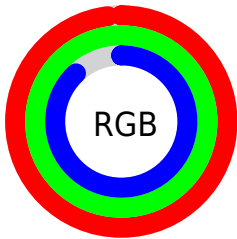
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 255, 229
Decimal	16515041
CIE Lab	99.01, -6.33, 13.89
CIE LCh	99, 15.264, 114.502
Yxy	97.4655, 0.3278, 0.3584
Android (android.graphics.Color)	4294705121 (0xFFFFBFFE1)
YUV	250.3840, -12.5143, 0.5402
Hunter-Lab	98.7246, -11.6079, 17.8501

# Details

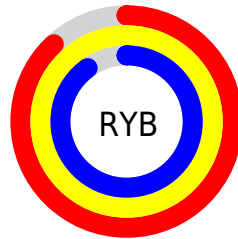
The XYZ color 89.1343, 97.4655, 85.3490 is a light color, and the websafe version is hex FFFFC. A complement of this color would be 77.2891, 77.7296, 105.5375, and the grayscale version is 91.2793, 96.0329, 104.5798.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.6979, 54.7598, 45.9805 is the 20% darker color. If you saturate the color by 10%, you get 84.6976, 95.5506, 68.3180, and if you desaturate by 10%, it is 94.1139, 99.6001, 105.1201.

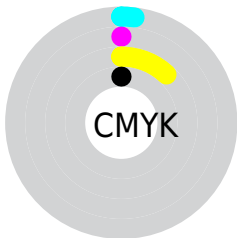
# Distribution



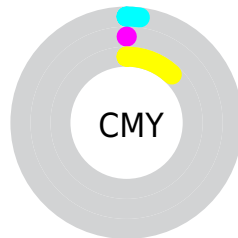
- Red (98%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1343, 97.4655, 85.3490 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 89.1343, 97.4655, 85.3490 by changing the saturation by 10% instead.



89.1343, 97.4655,  
85.3490

89.1343, 97.4655,  
85.3490

513.4907,  
552.0283, 532.9569

67.5968, 74.1887,  
63.5780

145.0198,  
157.6664, 142.7392

49.8422, 54.9485,  
45.8649

180.0984,  
195.3594, 179.1954

35.5053, 39.3605,  
31.7914

220.4215,  
238.6265, 221.3838

24.2207, 27.0403,  
20.9387

266.3544,  
287.8521, 269.7229

15.6231, 17.6035,  
12.8884

318.2624,  
343.4207, 324.6312

9.3470, 10.6657,  
7.2219

376.5109,

5.0271, 5.8425,

405.7167, 386.5272

3.5207

441.4652,  
475.1244, 455.8296

■ 2.2981, 2.7496,  
1.3663

■ 0.7937, 1.0024,  
0.1152

■ 89.1343, 97.4655,  
85.3490

■ 89.1343, 97.4655,  
85.3490

■ 84.6976, 95.5506,  
68.3180

■ 94.1139, 99.6001,  
105.1201

■ 80.7788, 93.8454,  
53.9019

■ 95.0500, 100.0000,  
108.9000

■ 77.3537, 92.3402,  
41.9722

■ 74.3954, 91.0243,  
32.3879

■ 71.8745, 89.8857,  
24.9939

■ 69.7576, 88.9113,  
19.6162

■ 68.0068, 88.0857,  
16.0549

■ 66.5761, 87.3907,  
14.0687

■ 65.5811, 86.8933,  
13.3156

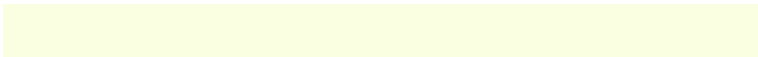
# Harmonies

## Analogous

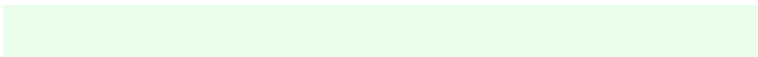
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4603, 97.4655, 83.5507



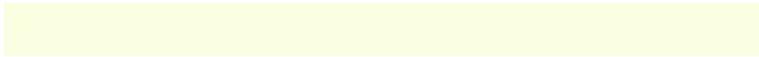
89.1343, 97.4655, 85.3490



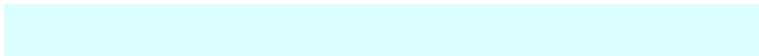
85.8446, 97.4655, 92.5195

# Triad

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



89.1343, 97.4655, 85.3490



87.7575, 97.4655, 127.3518



101.4195, 97.4655, 108.4887

# Complementary

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



89.1343, 97.4655, 85.3490



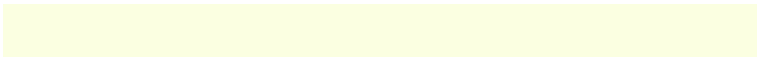
77.2891, 77.7296, 105.5375

# Split Complementary

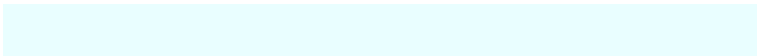
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.7808, 97.4655, 120.9993



89.1343, 97.4655, 85.3490



91.8206, 97.4655, 132.4343

# Square

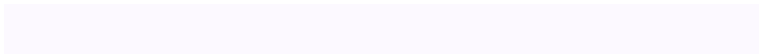
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



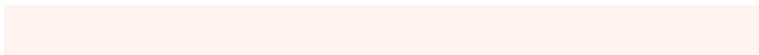
89.1343, 97.4655, 85.3490



85.0677, 97.4655, 116.6149



96.2324, 97.4655, 130.0217

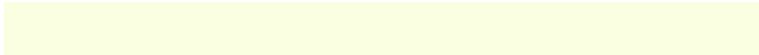


100.6447, 97.4655, 96.2807

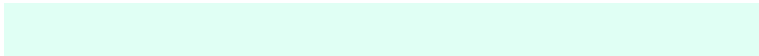


# Rectangle

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



89.1343, 97.4655, 85.3490



84.6343, 97.4655, 99.7089



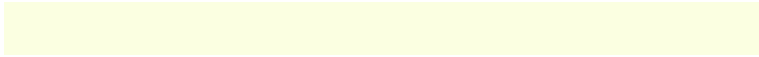
96.2324, 97.4655, 130.0217



101.1311, 97.4655, 112.8072

# Sweetspot

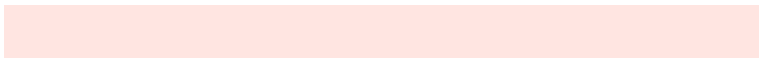
The Sweet Spot groups the original color and five complimentary colors.



89.1350, 97.4658, 85.3504



92.9524, 99.1034, 100.4560



82.7125, 82.4596, 82.7925



19.8134, 21.1770, 21.1727



0.0000, 0.0000, 0.0000

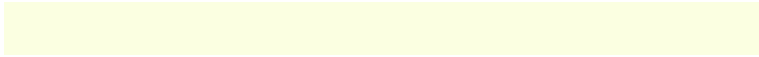


20.3446, 21.4041, 23.3091

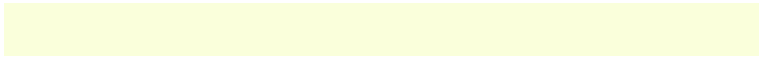


# Same Dimension

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



89.1350, 97.4658, 85.3504



88.0965, 97.0188, 81.3084



84.1096, 94.8751, 85.1153



19.3090, 20.9607, 19.1725



34.3601, 45.4514, 6.9620



3.4087, 4.4580, 0.6808



# Inverse Universe

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



77.2891, 77.7296, 105.5375



74.2186, 73.8964, 104.9594



82.1110, 80.2154, 105.7631



17.2281, 17.4938, 22.7186



9.8447, 3.9856, 49.6850

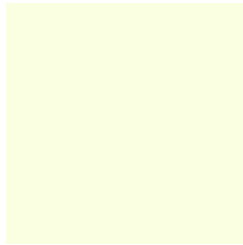


1.0247, 0.4222, 4.8408



# Previews

## White Background



This preview shows how the XYZ color 89.1343, 97.4655, 85.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

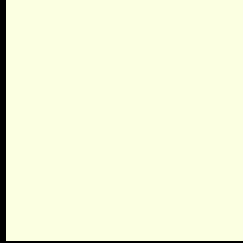
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1343, 97.4655, 85.3490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

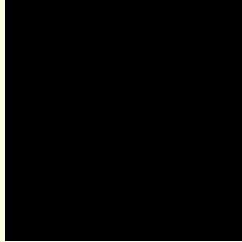
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.1343, 97.4655, 85.3490

## Background



This preview shows how black text looks on a background with the XYZ color 89.1343, 97.4655, 85.3490.



This preview shows how white text looks on a background with the XYZ color 89.1343, 97.4655,

85.3490.

# 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

89.1343, 97.4655, 85.3490



### Protanopia

92.5318, 97.4734, 100.3235

### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

93.3684, 97.7235, 108.5492

# Trichromacy



**Original Color**

89.1343, 97.4655, 85.3490

**Protanomaly**

91.4309, 97.4944, 94.8883

**Deuteranomaly**

91.5606, 97.0425, 97.1244

**Tritanomaly**

91.5993, 97.4777, 99.5752

# Monochromacy



**Original Color**

89.1343, 97.4655, 85.3490



**Achromatopsia**

90.8653, 95.5973, 104.1055



**Achromatomaly**

90.1119, 96.2957, 97.0566

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1343, 97.4655, 85.3490 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(251, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 225)  
}
```

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(251, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1343, 97.4655, 85.3490 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(251, 255, 225) }
```



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

```
.border{ border-color:rgb(251, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1343, 97.4655, 85.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 225) }
```

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

```
.background{ background-color: rgb(251,  
255, 225) }
```

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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