

# Converting Colors

XYZ(85.4326, 93.6857, 65.8616)

Have a look what the booklet for  
XYZ(85.4326, 93.6857, 65.8616)  
contains.

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# Color

**XYZ(85.3894, 93.6167,  
65.7939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAC4
RGB	255, 250, 196
RGB Percent	100%, 98%, 77%
CMY	0.0000, 0.0196, 0.2314
CMYK	0.00, 0.02, 0.23, 0.00
HSL	55°, 100%, 88%
HSV	55°, 23%, 100%
XYZ	85.3894, 93.6167, 65.7939
YIQ	245.3390, 20.3140, -15.7340

# Conversions

## Conversions Part 2

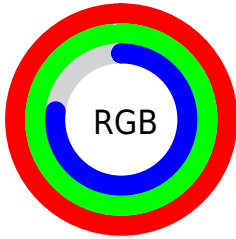
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 255, 196
Decimal	16775876
CIE <sub>Lab</sub>	97.48, -6.67, 26.57
CIE <sub>LCh</sub>	97, 27.390, 104.093
Yxy	93.6167, 0.3488, 0.3824
Android (android.graphics.Color)	4294965956 (0xFFFFFAC4)
YUV	245.3390, -24.3241, 8.4727
Hunter-Lab	96.7557, -11.7917, 27.4118

# Details

The XYZ color **85.3894, 93.6167, 65.7939** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.7012, 60.7274, 103.0773**, and the grayscale version is **87.2443, 91.7878, 99.9569**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **47.4630, 52.5423, 33.2313** is the 20% darker color. If you saturate the color by 10%, you get **82.0640, 91.2227, 51.5623**, and if you desaturate by 10%, it is **89.2203, 96.2316, 82.6301**.

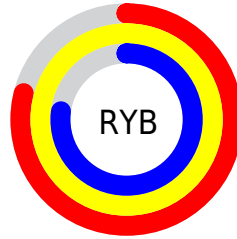
# Distribution



Red (100%)

Green (98%)

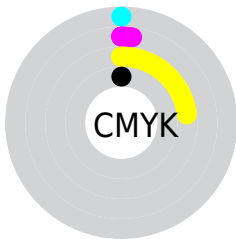
Blue (77%)



Red (79%)

Yellow (100%)

Blue (77%)

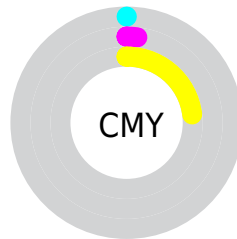


Cyan (0%)

Magenta (2%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3894, 93.6167, 65.7939 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 85.3894, 93.6167, 65.7939 by changing the saturation by 10% instead.




 85.3894, 93.6167,  
65.7939

 85.3894, 93.6167,  
65.7939


501.3800,  
539.7270, 464.0235

 64.4868, 70.9842,  
47.6497


139.8283,  
152.3521, 114.8147

 47.3082, 52.3293,  
33.1915


174.0953,  
189.2238, 146.5283

 33.4883, 37.2676,  
22.0009


213.5478,  
231.6108, 183.6021

 22.6618, 25.4148,  
13.6592

258.5511,  
279.8972, 226.4547

 14.4633, 16.3863,  
7.7480

309.4706,  
334.4677, 275.5046

 8.5275, 9.7979,  
3.8487

366.6717,

 4.4889, 5.2652,

395.7066, 331.1704

1.5427

430.5197,  
463.9982, 393.8705

■ 1.9823, 2.4037,  
0.2494

■ 0.6240, 0.8278,  
0.0000

■ 85.3894, 93.6167,  
65.7939

■ 85.3894, 93.6167,  
65.7939

■ 82.0640, 91.2227,  
51.5623

■ 89.2203, 96.2316,  
82.6301

■ 79.2125, 89.0273,  
39.7980

■ 93.5733, 99.0644,  
102.1870

■ 76.8099, 87.0237,  
30.3603

■ 95.0500, 100.0000,  
108.9000

■ 74.8263, 85.1998,  
23.0916

■ 73.2282, 83.5423,  
17.8153

■ 71.9766, 82.0354,  
14.3266

■ 71.0243, 80.6603,  
12.3768

■ 70.4970, 79.7739,  
11.6823

# Harmonies

## Analogous

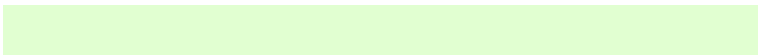
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1399, 93.6167, 66.0561



85.3894, 93.6167, 65.7939



78.9786, 93.6167, 74.1740

# Triad

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



85.3894, 93.6167, 65.7939



78.6701, 93.6167, 134.7171



104.1436, 93.6167, 114.1216

# Complementary

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



85.3894, 93.6167, 65.7939



61.7012, 60.7274, 103.0773

# 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.



99.7917, 93.6167, 135.8741



85.3894, 93.6167, 65.7939



84.9456, 93.6167, 148.8951

# Square

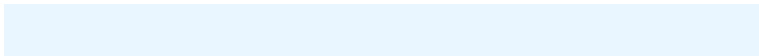
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3894, 93.6167, 65.7939



75.2550, 93.6167, 112.7164



92.6696, 93.6167, 149.3470



104.2796, 93.6167, 91.8597

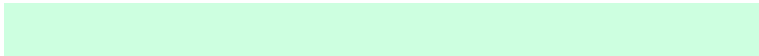


# Rectangle

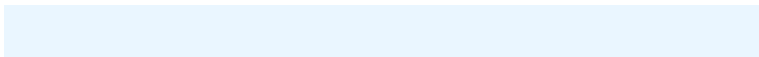
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3894, 93.6167, 65.7939



76.1999, 93.6167, 84.3494



92.6696, 93.6167, 149.3470



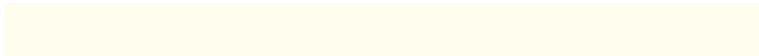
103.1143, 93.6167, 121.8040

# Sweetspot

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



85.3916, 93.6208, 65.7959



91.8279, 97.9430, 94.3008



71.6295, 65.0005, 64.5874



19.5981, 20.9270, 19.9286



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

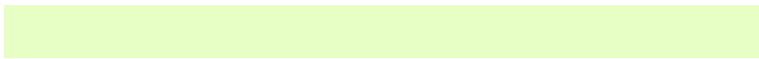
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3916, 93.6208, 65.7959



83.7121, 92.4285, 58.5563



78.8086, 92.5613, 65.9383



19.4220, 20.8121, 19.1378



36.8909, 41.7930, 6.1225



3.6291, 4.1436, 0.6085



# Inverse Universe

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



61.7012, 60.7274, 103.0773



56.0578, 54.0336, 102.0827



67.1851, 61.8544, 103.0058



17.1266, 17.6247, 22.7492



9.6196, 4.1488, 49.7284



0.9769, 0.4845, 4.8553



# Previews

## White Background



This preview shows how the XYZ color 85.3894, 93.6167, 65.7939 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

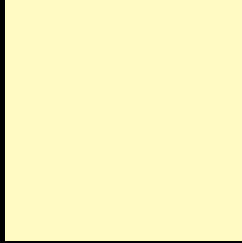
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.3894, 93.6167, 65.7939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

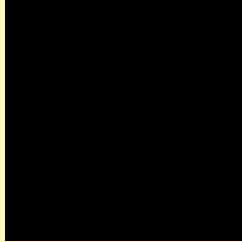
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.3894, 93.6167, 65.7939**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.3894, 93.6167, 65.7939.



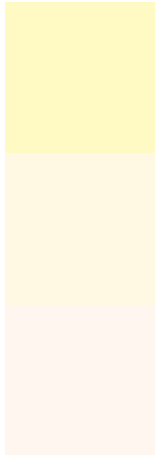
This preview shows how white text looks on a background with the XYZ color 85.3894, 93.6167,

65.7939.

# 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

85.3894, 93.6167, 65.7939

### Protanopia

88.5349, 93.8858, 85.4070

### Deuteranopia

89.9239, 93.4628, 95.7387



## Tritanopia

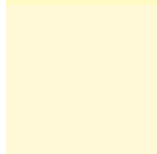
91.7818, 93.7206, 107.0184

# Trichromacy



## Original Color

85.3894, 93.6167, 65.7939



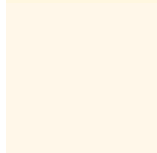
## Protanomaly

87.3814, 93.9177, 77.8124



## Deuteranomaly

87.9553, 93.1633, 83.8676



## Tritanomaly

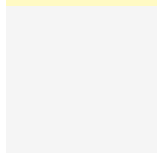
89.2087, 93.6647, 90.4681

# Monochromacy



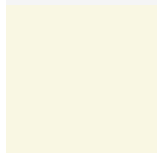
## Original Color

85.3894, 93.6167, 65.7939



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

86.1928, 92.2073, 85.9280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.3894, 93.6167, 65.7939 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, 250, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 196)  
}
```

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, 250, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 85.3894, 93.6167, 65.7939 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, 250, 196) }
```



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

```
.border{ border-color:rgb(255, 250, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.3894, 93.6167, 65.7939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 196) }
```

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

```
.background{ background-color: rgb(255,  
250, 196) }
```

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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