

# Converting Colors

XYZ(83.6587, 94.6266, 85.8182)

Have a look what the booklet for  
XYZ(83.6587, 94.6266, 85.8182)  
contains.

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# Color

**XYZ(83.7484, 94.6732,  
85.8112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFFE2
RGB	235, 255, 226
RGB Percent	92%, 100%, 89%
CMY	0.0784, 0.0000, 0.1137
CMYK	0.08, 0.00, 0.11, 0.00
HSL	101°, 100%, 94%
HSV	101°, 11%, 100%
XYZ	83.7484, 94.6732, 85.8112
YIQ	245.7140, -2.6110, -13.2590

# Conversions

## Conversions Part 2

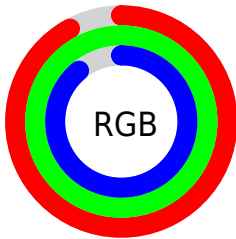
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	226, 255, 246
Decimal	15466466
CIE <sub>Lab</sub>	97.90, -11.61, 11.65
CIE <sub>LCh</sub>	98, 16.446, 134.922
Y <sub>xy</sub>	94.6732, 0.3169, 0.3583
Android (android.graphics.Color)	4293656546 (0xFFEBFFE2)
Y <sub>UV</sub>	245.7140, -9.7190, -9.3962
Hunter-Lab	97.3002, -16.6364, 15.8209

# Details

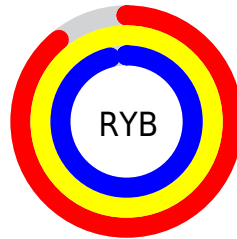
The XYZ color **83.7484, 94.6732, 85.8112** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **83.2531, 81.2067, 105.8943**, and the grayscale version is **87.4433, 91.9971, 100.1849**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1352, 52.9121, 46.3096** is the 20% darker color. If you saturate the color by 10%, you get **74.9829, 90.5290, 68.4735**, and if you desaturate by 10%, it is **93.6098, 99.3220, 105.9195**.

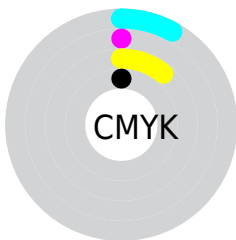
# Distribution



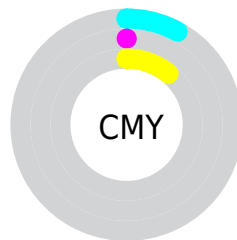
- Red (92%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7484, 94.6732, 85.8112 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 83.7484, 94.6732, 85.8112 by changing the saturation by 10% instead.



 83.7484, 94.6732,  
85.8112

 83.7484, 94.6732,  
85.8112


496.0236,  
543.1182, 534.5229

 63.1267, 71.8630,  
63.9579

137.5463,  
153.8130, 143.3902

 46.2028, 53.0468,  
46.1706


171.4532,  
190.9115, 179.9529

 32.6112, 37.8401,  
32.0308


210.5192,  
233.5415, 222.2559

 21.9865, 25.8586,  
21.1200


255.1097,  
282.0874, 270.7176

 13.9636, 16.7179,  
13.0197

305.5900,  
336.9336, 325.7567

 8.1769, 10.0336,  
7.3112

362.3256,

 4.2611, 5.4212,

398.4646, 387.7915

3.5761

425.6817,  
467.0646, 457.2407

■ 1.8509, 2.4965,  
1.3958

■ 0.5480, 0.8749,  
0.1384

■ 83.7484, 94.6732,  
85.8112

■ 83.7484, 94.6732,  
85.8112

■ 74.9829, 90.5290,  
68.4735

■ 93.6098, 99.3220,  
105.9195

■ 67.2717, 86.8710,  
53.7806

■ 95.0500, 100.0000,  
108.9000

■ 60.5737, 83.6806,  
41.6037

■ 54.8438, 80.9378,  
31.8014

■ 50.0335, 78.6208,  
24.2182

■ 46.0895, 76.7061,  
18.6803

■ 42.9523, 75.1673,  
14.9876

■ 40.5529, 73.9741,  
12.9002

■ 38.9959, 73.1881,  
12.0714

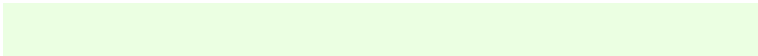
# Harmonies

## Analogous

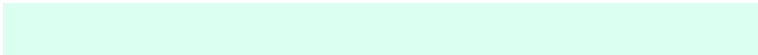
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6756, 94.6732, 80.0287



83.7484, 94.6732, 85.8112



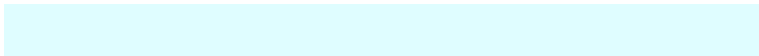
81.5319, 94.6732, 96.4916

# Triad

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



83.7484, 94.6732, 85.8112



87.6521, 94.6732, 130.1659



99.0078, 94.6732, 96.5571

# Complementary

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



83.7484, 94.6732, 85.8112



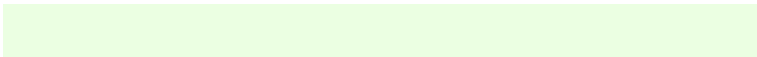
83.2531, 81.2067, 105.8943

# Split Complementary

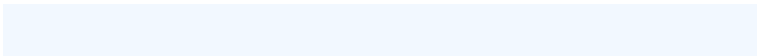
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0010, 94.6732, 109.9680



83.7484, 94.6732, 85.8112



92.3327, 94.6732, 130.1874

# Square

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



83.7484, 94.6732, 85.8112



83.7317, 94.6732, 122.4733



96.5218, 94.6732, 122.5296

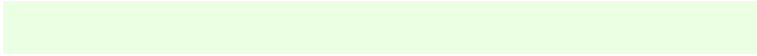


96.5401, 94.6732, 85.8556



# Rectangle

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



83.7484, 94.6732, 85.8112



81.2719, 94.6732, 105.3209



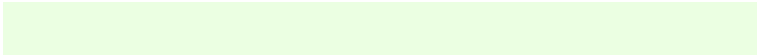
96.5218, 94.6732, 122.5296



99.2976, 94.6732, 100.8771

# Sweetspot

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



83.7491, 94.6735, 85.8126



91.9281, 98.5301, 102.4522



87.8679, 92.5515, 85.1860



19.5015, 21.0071, 21.5695



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

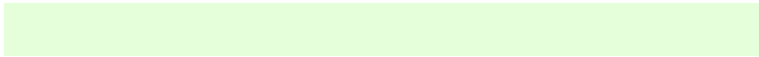


# Same Dimension

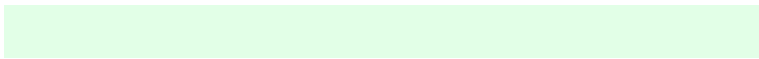
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7491, 94.6735, 85.8126



81.3407, 93.5361, 80.9923



81.5934, 93.4766, 89.5795



18.3018, 20.4415, 19.1253



20.5100, 38.3114, 6.3138



2.1034, 3.7851, 0.6197



# Inverse Universe

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



83.2531, 81.2067, 105.8943



80.7406, 77.2586, 105.2647



85.6426, 82.5360, 101.5998



18.2120, 18.0010, 22.7646



18.9312, 8.6699, 50.1102



1.9555, 0.9020, 4.8843



# Previews

## White Background



This preview shows how the XYZ color 83.7484, 94.6732, 85.8112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

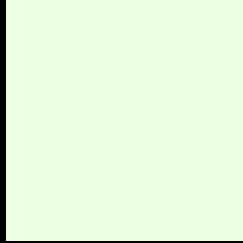
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7484, 94.6732, 85.8112 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

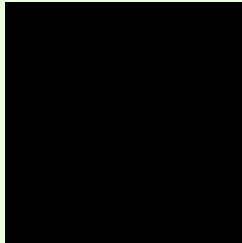
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

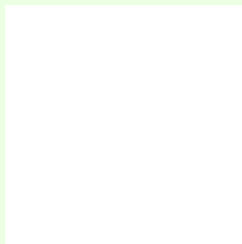
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.7484, 94.6732, 85.8112**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.7484, 94.6732, 85.8112.



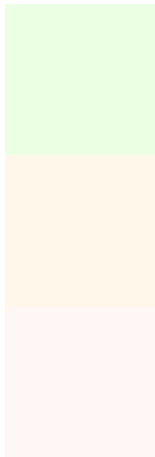
This preview shows how white text looks on a background with the XYZ color 83.7484, 94.6732,

85.812.

# 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

83.7484, 94.6732, 85.8112

### Protanopia

89.6587, 94.3353, 91.3249

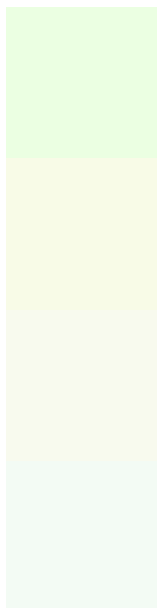
### Deuteranopia

90.9822, 94.3741, 99.8069

## **Tritanopia**

90.2835, 94.7455, 108.1370

# Trichromacy



## Original Color

83.7484, 94.6732, 85.8112

## Protanomaly

87.6324, 94.7203, 89.2654

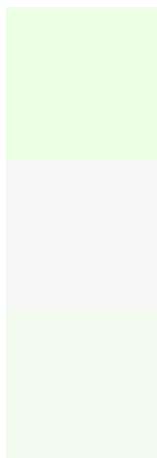
## Deuteranomaly

88.3296, 94.5007, 94.4739

## Tritanomaly

87.7885, 94.5807, 99.2169

# Monochromacy



## Original Color

83.7484, 94.6732, 85.8112

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.0736, 92.8606, 95.0487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7484, 94.6732, 85.8112 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(235, 255, 226) looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 226)  
}
```

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(235, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7484, 94.6732, 85.8112 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(235, 255, 226) }
```



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

```
.border{ border-color:rgb(235, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7484, 94.6732, 85.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 226) }
```

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

```
.background{ background-color: rgb(235,  
255, 226) }
```

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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