

# Converting Colors

XYZ(91.0943, 110.0746,  
88.6207)

Have a look what the booklet for  
XYZ(91.0943, 110.0746, 88.6207)  
contains.

<b>XYZ(83.0917, 94.3346, 85.7805)</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(83.0917, 94.3346,  
85.7805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFE2
RGB	233, 255, 226
RGB Percent	91%, 100%, 89%
CMY	0.0863, 0.0000, 0.1137
CMYK	0.09, 0.00, 0.11, 0.00
HSL	106°, 100%, 94%
HSV	106°, 11%, 100%
XYZ	83.0917, 94.3346, 85.7805
YIQ	245.1160, -3.8030, -13.6830

# Conversions

## Conversions Part 2

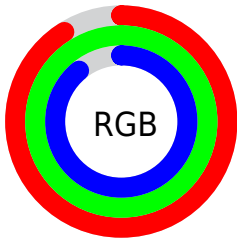
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 255, 248
Decimal	15335394
CIE <sub>Lab</sub>	97.77, -12.28, 11.43
CIE <sub>LCh</sub>	98, 16.781, 137.054
Yxy	94.3346, 0.3157, 0.3584
Android (android.graphics.Color)	4293525474 (0xFFE9FFE2)
YUV	245.1160, -9.4242, -10.6257
Hunter-Lab	97.1260, -17.2630, 15.6240

# Details

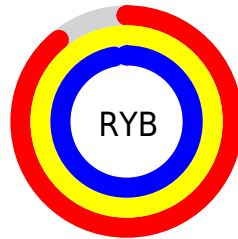
The XYZ color **83.0917, 94.3346, 85.7805** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **83.9585, 81.5704, 105.9273**, and the grayscale version is **86.9595, 91.4881, 99.6306**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6762, 52.6756, 46.2881** is the 20% darker color. If you saturate the color by 10%, you get **73.8754, 89.9581, 68.4217**, and if you desaturate by 10%, it is **93.5223, 99.2769, 105.9154**.

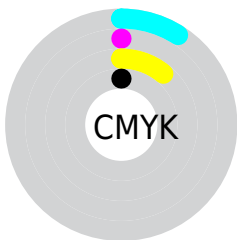
# Distribution



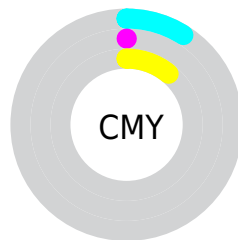
- Red (91%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0917, 94.3346, 85.7805 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 83.0917, 94.3346, 85.7805 by changing the saturation by 10% instead.




 83.0917, 94.3346,  
85.7805

 83.0917, 94.3346,  
85.7805


493.8714,  
542.0326, 534.4190

 62.5830, 71.5813,  
63.9326

136.6317,  
153.3450, 143.3470

 45.7613, 52.8167,  
46.1503


170.3938,  
190.3709, 179.9026

 32.2613, 37.6565,  
32.0149


209.3043,  
232.9231, 222.1980

 21.7177, 25.7162,  
21.1080


253.7286,  
281.3860, 270.6516

 13.7651, 16.6114,  
13.0109

304.0321,  
336.1440, 325.6819

 8.0380, 9.9578,  
7.3053

360.5802,

 4.1713, 5.3710,

397.5815, 387.7076

3.5724

423.7382,  
466.0829, 457.1471

■ 1.7995, 2.4666,  
1.3938

■ 0.5174, 0.8598,  
0.1369

■ 83.0917, 94.3346,  
85.7805

■ 83.0917, 94.3346,  
85.7805

■ 73.8754, 89.9581,  
68.4217

■ 93.5223, 99.2769,  
105.9154

■ 65.8262, 86.1258,  
53.7130

95.0500, 100.0000,  
108.9000

■ 58.8966, 82.8160,  
41.5253

■ 53.0353, 80.0055,  
31.7168

■ 48.1866, 77.6687,  
24.1318

■ 44.2895, 75.7782,  
18.5960

■ 41.2757, 74.3030,  
14.9092

■ 39.0665, 73.2078,  
12.8307

■ 37.7185, 72.5296,  
12.0117

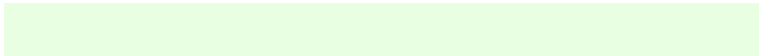
# Harmonies

## Analogous

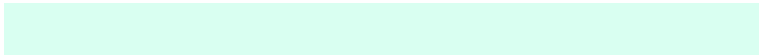
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9897, 94.3346, 79.5169



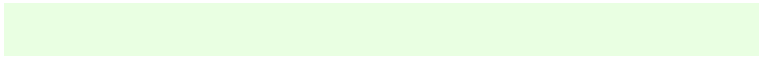
83.0917, 94.3346, 85.7805



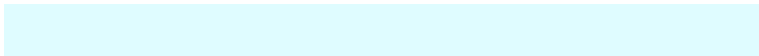
80.9873, 94.3346, 96.9211

# Triad

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



83.0917, 94.3346, 85.7805



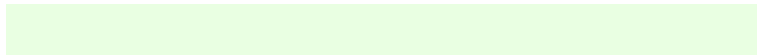
87.6159, 94.3346, 130.6076



98.7532, 94.3346, 95.1754

# Complementary

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



83.0917, 94.3346, 85.7805



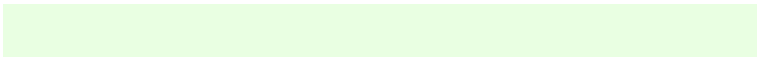
83.9585, 81.5704, 105.9273

# Split Complementary

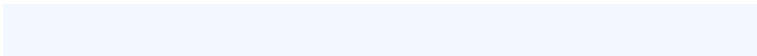
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.9355, 94.3346, 108.7340



83.0917, 94.3346, 85.7805



92.3889, 94.3346, 130.0343

# Square

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



83.0917, 94.3346, 85.7805



83.5360, 94.3346, 123.2448



96.5703, 94.3346, 121.7418

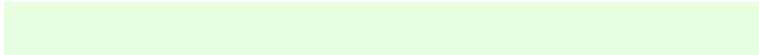


96.0808, 94.3346, 84.6008

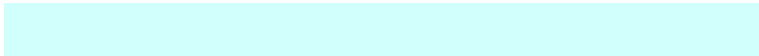


# Rectangle

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



83.0917, 94.3346, 85.7805



80.8339, 94.3346, 105.9860



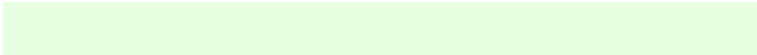
96.5703, 94.3346, 121.7418



99.1110, 94.3346, 99.5107

# Sweetspot

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



83.0924, 94.3349, 85.7819



91.7396, 98.4329, 102.4434



88.4585, 93.7326, 85.3828



19.4508, 20.9809, 21.5671



0.0000, 0.0000, 0.0000

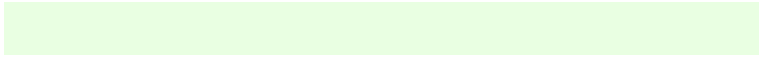


20.3446, 21.4041, 23.3091

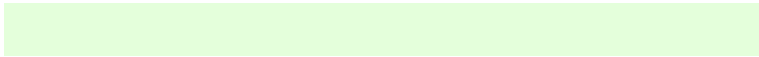


# Same Dimension

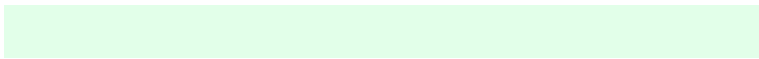
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0924, 94.3349, 85.7819



80.5543, 93.1307, 80.9554



81.8686, 93.5866, 91.0284



18.1821, 20.3798, 19.1197



19.8194, 37.9554, 6.2815



2.0227, 3.7435, 0.6160



# Inverse Universe

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



83.9585, 81.5704, 105.9273



81.6004, 77.7019, 105.3049



85.3415, 82.4156, 100.0139



18.3391, 18.0665, 22.7706



21.1240, 9.8003, 50.2129



2.1544, 1.0046, 4.8936



# Previews

## White Background



This preview shows how the XYZ color 83.0917, 94.3346, 85.7805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

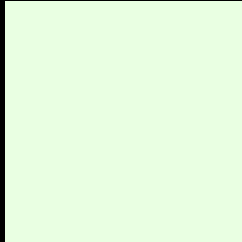
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.0917, 94.3346, 85.7805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

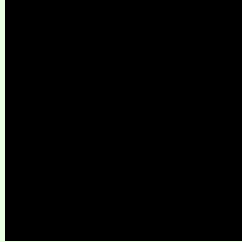
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

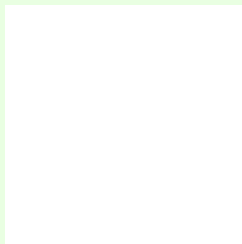
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.0917, 94.3346, 85.7805

## Background



This preview shows how black text looks on a background with the XYZ color 83.0917, 94.3346, 85.7805.



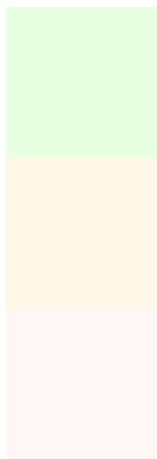
This preview shows how white text looks on a background with the XYZ color 83.0917, 94.3346,

85.7805.

# 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

83.0917, 94.3346, 85.7805

### Protanopia

89.3729, 94.2210, 89.8199

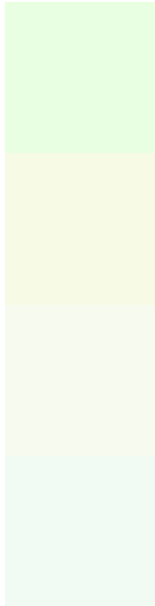
### Deuteranopia

90.9822, 94.3741, 99.8069

## Tritanopia

89.6234, 93.9476, 108.0178

# Trichromacy



## Original Color

83.0917, 94.3346, 85.7805

## Protanomaly

87.1379, 94.4817, 88.5070

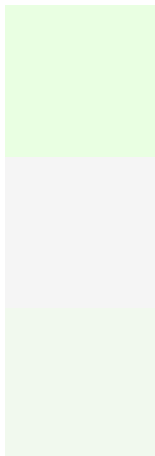
## Deuteranomaly

87.9760, 94.3184, 94.4574

## Tritanomaly

87.1019, 94.2268, 99.1848

# Monochromacy



## Original Color

83.0917, 94.3346, 85.7805

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.5839, 92.6252, 94.2566

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0917, 94.3346, 85.7805 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(233, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0917, 94.3346, 85.7805 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(233, 255, 226) }
```



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

```
.border{ border-color:rgb(233, 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(233, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0917, 94.3346, 85.7805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 226) }
```

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

```
.background{ background-color: rgb(233,  
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](#).

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