

# Converting Colors

XYZ(83.2213, 94.3830, 86.6173)

Have a look what the booklet for  
XYZ(83.2213, 94.3830, 86.6173)  
contains.

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# Color

**XYZ(83.2294, 94.3897,  
86.5054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFE3
RGB	233, 255, 227
RGB Percent	91%, 100%, 89%
CMY	0.0863, 0.0000, 0.1098
CMYK	0.09, 0.00, 0.11, 0.00
HSL	107°, 100%, 95%
HSV	107°, 11%, 100%
XYZ	83.2294, 94.3897, 86.5054
YIQ	245.2300, -4.1240, -13.3720

# Conversions

## Conversions Part 2

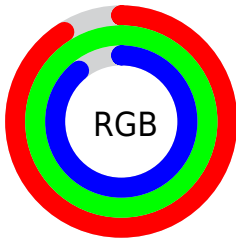
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 255, 249
Decimal	15335395
CIE <sub>Lab</sub>	97.79, -12.11, 10.95
CIE <sub>LCh</sub>	98, 16.332, 137.886
Yxy	94.3897, 0.3151, 0.3574
Android (android.graphics.Color)	4293525475 (0xFFE9FFE3)
YUV	245.2300, -8.9874, -10.7257
Hunter-Lab	97.1544, -17.1042, 15.2168

# Details

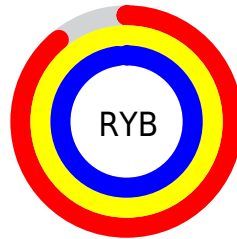
The XYZ color **83.2294, 94.3897, 86.5054** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **84.5867, 82.2991, 106.0348**, and the grayscale version is **87.0481, 91.5814, 99.7321**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7719, 52.7138, 46.7921** is the 20% darker color. If you saturate the color by 10%, you get **73.7924, 89.9017, 69.0319**, and if you desaturate by 10%, it is **93.9319, 99.4698, 106.7619**.

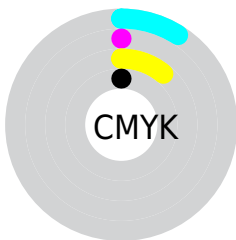
# Distribution



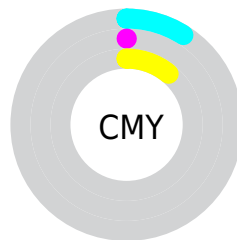
- Red (91%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (98%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2294, 94.3897, 86.5054 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 83.2294, 94.3897, 86.5054 by changing the saturation by 10% instead.




 83.2294, 94.3897,  
86.5054

 83.2294, 94.3897,  
86.5054


494.3231,  
542.2093, 536.8702

 62.6970, 71.6271,  
64.5287


136.8236,  
153.4212, 144.3673

 45.8538, 52.8541,  
46.6301


170.6160,  
190.4589, 181.0896

 32.3346, 37.6863,  
32.3911


209.5592,  
233.0237, 223.5642

 21.7740, 25.7393,  
21.3931

254.0184,  
281.5002, 272.2096

 13.8066, 16.6287,  
13.2176

304.3590,  
336.2725, 327.4444

 8.0671, 9.9701,  
7.4461

360.9465,

 4.1901, 5.3792,

397.7253, 389.6870

3.6600

424.1460,  
466.2427, 459.3561

■ 1.8102, 2.4714,  
1.4407

■ 0.5238, 0.8623,  
0.1732

■ 83.2294, 94.3897,  
86.5054

■ 83.2294, 94.3897,  
86.5054

■ 73.7924, 89.9017,  
69.0319

■ 93.9319, 99.4698,  
106.7619

■ 65.5711, 85.9829,  
54.2157

■ 95.0500, 100.0000,  
108.9000

■ 58.5157, 82.6104,  
41.9278

■ 52.5719, 79.7592,  
32.0269

■ 47.6810, 77.4026,  
24.3577

■ 43.7787, 75.5110,  
18.7466

■ 40.7929, 74.0517,  
14.9943

■ 38.6408, 72.9872,  
12.8621

■ 37.3160, 72.3221,  
11.9928

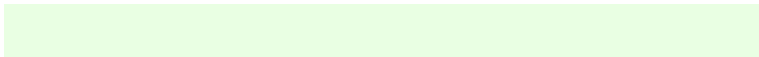
# Harmonies

## Analogous

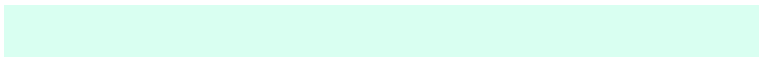
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9902, 94.3897, 80.2326



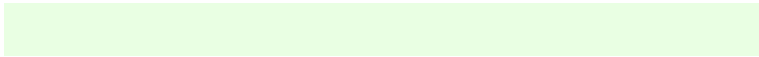
83.2294, 94.3897, 86.5054



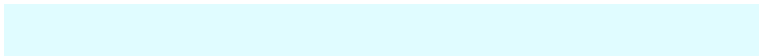
81.2344, 94.3897, 97.4817

# Triad

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



83.2294, 94.3897, 86.5054



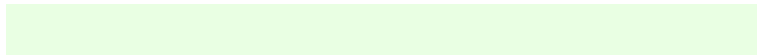
87.8470, 94.3897, 129.9668



98.5164, 94.3897, 95.0914

# Complementary

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



83.2294, 94.3897, 86.5054



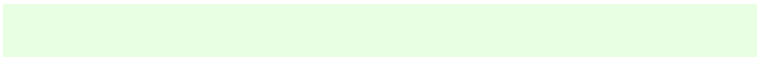
84.5867, 82.2991, 106.0348

# 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.



98.7653, 94.3897, 108.2552



83.2294, 94.3897, 86.5054



92.4952, 94.3897, 129.1861

# Square

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



83.2294, 94.3897, 86.5054



83.8379, 94.3897, 123.0137



96.5282, 94.3897, 120.9650

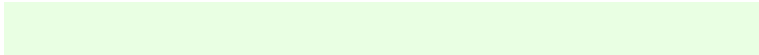


95.8597, 94.3897, 84.8864

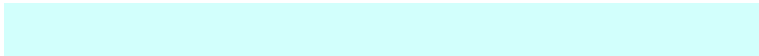


# Rectangle

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



83.2294, 94.3897, 86.5054



81.1270, 94.3897, 106.3362



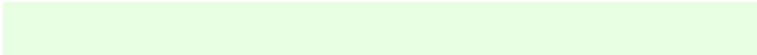
96.5282, 94.3897, 120.9650



98.8877, 94.3897, 99.2929

# Sweetspot

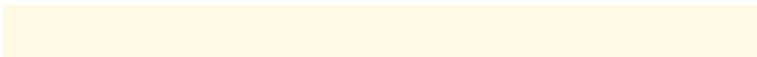
The Sweet Spot groups the original color and five complimentary colors.



83.2301, 94.3900, 86.5068



91.6657, 98.3948, 102.4399



88.9606, 94.5166, 86.2292



19.4309, 20.9707, 21.5662



0.0000, 0.0000, 0.0000

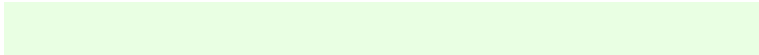


20.3446, 21.4041, 23.3091

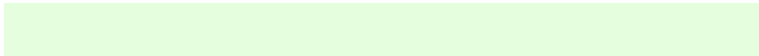


# Same Dimension

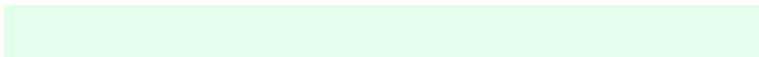
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2301, 94.3900, 86.5068



81.2230, 93.4362, 82.7560



82.4251, 93.8456, 92.3176



18.1353, 20.3557, 19.1175



19.5991, 37.8418, 6.2712



1.9952, 3.7293, 0.6147



# Inverse Universe

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



84.5867, 82.2991, 106.0348



82.8062, 79.3205, 105.5538



85.5085, 82.9188, 99.5482



18.3893, 18.0924, 22.7729



22.0587, 10.2822, 50.2566

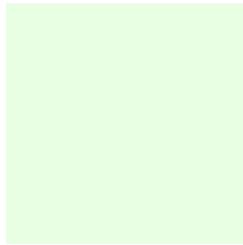


2.2381, 1.0477, 4.8975



# Previews

## White Background



This preview shows how the XYZ color 83.2294, 94.3897, 86.5054 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

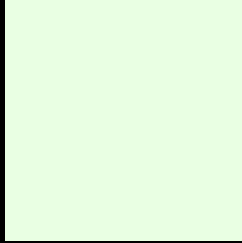
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2294, 94.3897, 86.5054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

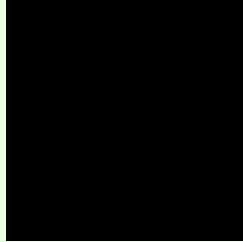
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

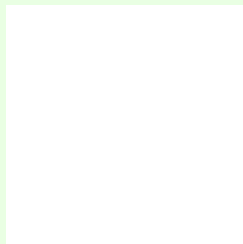
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.2294, 94.3897, 86.5054

## Background



This preview shows how black text looks on a background with the XYZ color 83.2294, 94.3897, 86.5054.



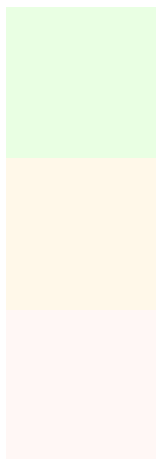
This preview shows how white text looks on a background with the XYZ color 83.2294, 94.3897,

86.5554.

# 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

83.2294, 94.3897, 86.5054

### Protanopia

89.5154, 94.2780, 90.5703

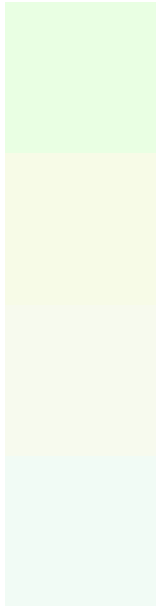
### Deuteranopia

90.9822, 94.3741, 99.8069

## **Tritanopia**

89.9317, 94.5642, 108.1205

# Trichromacy



## Original Color

83.2294, 94.3897, 86.5054

## Protanomaly

87.2788, 94.5380, 89.2489

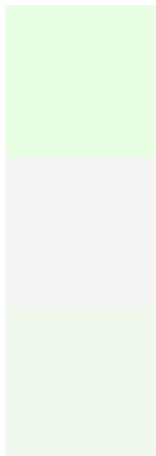
## Deuteranomaly

87.9760, 94.3184, 94.4574

## Tritanomaly

87.2542, 94.2877, 99.9868

# Monochromacy



## Original Color

83.2294, 94.3897, 86.5054

## 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 83.2294, 94.3897, 86.5054 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, 227) looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2294, 94.3897, 86.5054 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, 227) }
```



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

```
.border{ border-color:rgb(233, 255, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2294, 94.3897, 86.5054 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, 227) }
```

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

```
.background{ background-color: rgb(233,  
255, 227) }
```

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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