

# Converting Colors

XYZ(86.1177, 100.0000,  
84.5835)

Have a look what the booklet for  
XYZ(86.1177, 100.0000, 84.5835)  
contains.

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# Color

**XYZ(83.3402, 94.5099,  
83.6618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFFDF
RGB	235, 255, 223
RGB Percent	92%, 100%, 87%
CMY	0.0784, 0.0000, 0.1255
CMYK	0.08, 0.00, 0.13, 0.00
HSL	98°, 100%, 94%
HSV	98°, 13%, 100%
XYZ	83.3402, 94.5099, 83.6618
YIQ	245.3720, -1.6480, -14.1920

# Conversions

## Conversions Part 2

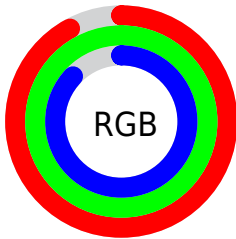
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 255, 243
Decimal	15466463
CIE <sub>Lab</sub>	97.84, -12.11, 13.09
CIE <sub>LCh</sub>	98, 17.831, 132.780
Y <sub>xy</sub>	94.5099, 0.3187, 0.3614
Android (android.graphics.Color)	4293656543 (0xFFEBFFDF)
Y <sub>UV</sub>	245.3720, -11.0294, -9.0962
Hunter-Lab	97.2162, -17.1063, 17.0279

# Details

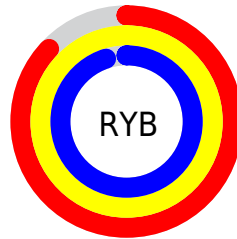
The XYZ color **83.3402, 94.5099, 83.6618** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.4007, 79.0513, 105.5759**, and the grayscale version is **87.1770, 91.7170, 99.8798**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8524, 52.7990, 44.8203** is the 20% darker color. If you saturate the color by 10%, you get **75.1282, 90.6442, 66.6618**, and if you desaturate by 10%, it is **92.5429, 98.8264, 103.4137**.

# Distribution



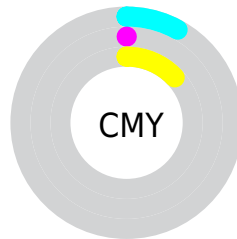
- Red (92%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.3402, 94.5099, 83.6618 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 83.3402, 94.5099, 83.6618 by changing the saturation by 10% instead.




 83.3402, 94.5099,  
83.6618

 83.3402, 94.5099,  
83.6618


494.6864,  
542.5948, 527.2181

 62.7887, 71.7271,  
62.1925


136.9779,  
153.5873, 140.3595

 45.9283, 52.9358,  
44.7514


170.7948,  
190.6508, 176.4249

 32.3936, 37.7515,  
30.9202

209.7642,  
233.2433, 218.1929

 21.8193, 25.7899,  
20.2801

254.2515,  
281.7492, 266.0818

 13.8401, 16.6665,  
12.4127

304.6220,  
336.5529, 320.5102

 8.0905, 9.9970,  
6.8995

361.2411,

 4.2052, 5.3970,

398.0388, 381.8967

3.3218

424.4741,  
466.5913, 450.6599

■ 1.8189, 2.4820,  
1.2612

■ 0.5290, 0.8676,  
0.0297

■ 83.3402, 94.5099,  
83.6618

■ 83.3402, 94.5099,  
83.6618

■ 75.1282, 90.6442,  
66.6618

■ 92.5429, 98.8264,  
103.4137

■ 67.8695, 87.2128,  
52.2874

95.0500, 100.0000,  
108.9000

■ 61.5270, 84.1995,  
40.4086

■ 56.0605, 81.5866,  
30.8829

■ 51.4262, 79.3549,  
23.5531

■ 47.5758, 77.4835,  
18.2430

■ 44.4552, 75.9490,  
14.7492

■ 42.0013, 74.7239,  
12.8256

■ 40.5444, 73.9864,  
12.1439

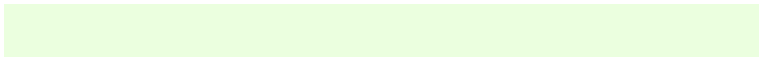
# Harmonies

## Analogous

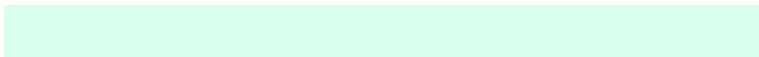
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6798, 94.5099, 77.9048



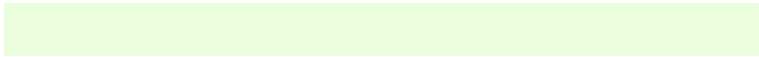
83.3402, 94.5099, 83.6618



80.7955, 94.5099, 94.8235

# Triad

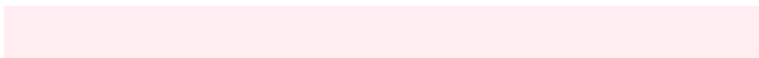
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3402, 94.5099, 83.6618



86.9607, 94.5099, 132.0872



99.7219, 94.5099, 96.8247

# Complementary

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



83.3402, 94.5099, 83.6618



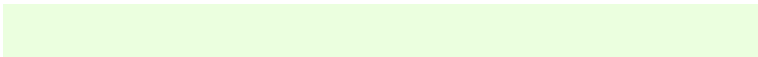
81.4007, 79.0513, 105.5759

# Split Complementary

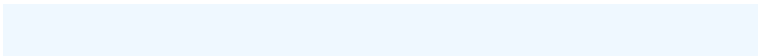
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.5115, 94.5099, 111.4335



83.3402, 94.5099, 83.6618



92.0127, 94.5099, 132.7525

# Square

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



83.3402, 94.5099, 83.6618



82.8309, 94.5099, 123.1541



96.6458, 94.5099, 124.8940

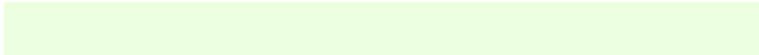


97.2101, 94.5099, 85.0072

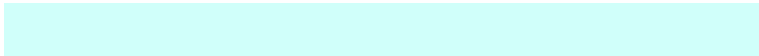


# Rectangle

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



83.3402, 94.5099, 83.6618



80.3979, 94.5099, 104.2716



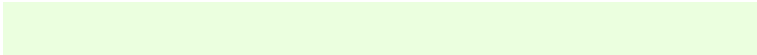
96.6458, 94.5099, 124.8940



99.9699, 94.5099, 101.5508

# Sweetspot

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



83.3409, 94.5102, 83.6632



91.1443, 98.1712, 100.3713



86.5306, 90.5300, 82.7268



19.3553, 20.9408, 21.1512



0.0000, 0.0000, 0.0000

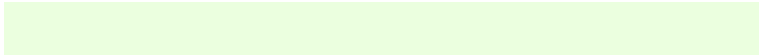


20.3446, 21.4041, 23.3091

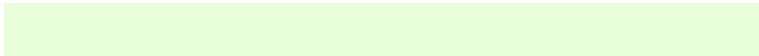


# Same Dimension

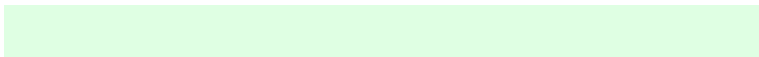
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3409, 94.5102, 83.6632



81.2371, 93.5212, 79.2450



80.0206, 92.7397, 86.1645



18.4151, 20.4999, 19.1306



21.3369, 38.7376, 6.3525



2.1938, 3.8317, 0.6240



# Inverse Universe

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



81.4007, 79.0513, 105.5759



78.9569, 75.3573, 104.9917



85.0829, 81.0183, 102.6413



18.0939, 17.9401, 22.7591



17.1125, 7.7323, 50.0251



1.7873, 0.8153, 4.8764



# Previews

## White Background



This preview shows how the XYZ color 83.3402, 94.5099, 83.6618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

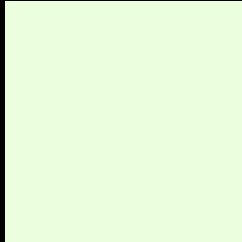
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.3402, 94.5099, 83.6618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

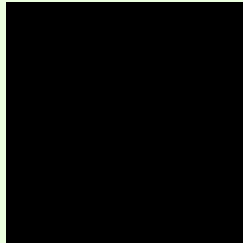
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

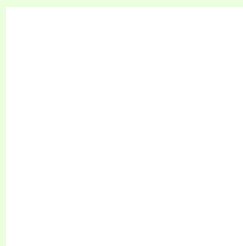
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.3402, 94.5099, 83.6618

## Background



This preview shows how black text looks on a background with the XYZ color 83.3402, 94.5099, 83.6618.



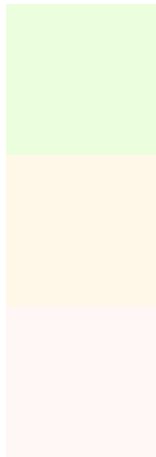
This preview shows how white text looks on a background with the XYZ color 83.3402, 94.5099,

83.6618.

# 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

83.3402, 94.5099, 83.6618

### Protanopia

89.3729, 94.2210, 89.8199

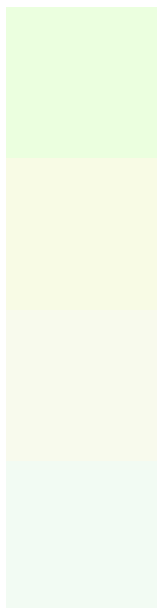
### Deuteranopia

90.9822, 94.3741, 99.8069

## **Tritanopia**

89.9317, 94.5642, 108.1205

# Trichromacy



## Original Color

83.3402, 94.5099, 83.6618

## Protanomaly

87.3514, 94.6080, 87.7860

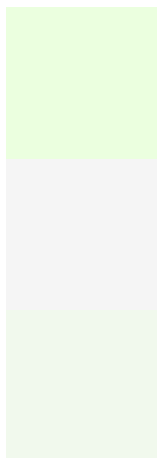
## Deuteranomaly

88.1831, 94.4421, 93.7022

## Tritanomaly

87.2928, 94.3427, 98.4032

# Monochromacy



## Original Color

83.3402, 94.5099, 83.6618

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.4374, 92.5666, 93.4849

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.3402, 94.5099, 83.6618 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 83.3402, 94.5099, 83.6618 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, 223) }
```



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

```
.border{ border-color:rgb(235, 255, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.3402, 94.5099, 83.6618 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, 223) }
```

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

```
.background{ background-color: rgb(235,  
255, 223) }
```

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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