

# Converting Colors

XYZ(84.7674, 100.0000,  
85.7515)

Have a look what the booklet for  
XYZ(84.7674, 100.0000, 85.7515)  
contains.

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# Color

**XYZ(81.6637, 93.6143,  
84.9994)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FFE1
RGB	229, 255, 225
RGB Percent	90%, 100%, 88%
CMY	0.1020, 0.0000, 0.1176
CMYK	0.10, 0.00, 0.12, 0.00
HSL	112°, 100%, 94%
HSV	112°, 12%, 100%
XYZ	81.6637, 93.6143, 84.9994
YIQ	243.8060, -5.8660, -14.8420

# Conversions

## Conversions Part 2

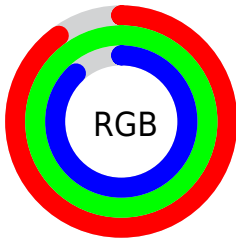
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 255, 251
Decimal	15073249
CIE <sub>Lab</sub>	97.48, -13.79, 11.49
CIE <sub>LCh</sub>	97, 17.950, 140.181
Yxy	93.6143, 0.3138, 0.3597
Android (android.graphics.Color)	4293263329 (0xFFE5FFE1)
YUV	243.8060, -9.2714, -12.9849
Hunter-Lab	96.7545, -18.6610, 15.6415

# Details

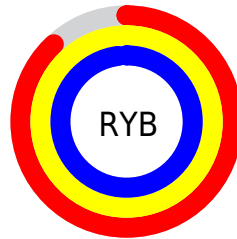
The XYZ color **81.6637, 93.6143, 84.9994** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **84.7597, 81.5809, 105.8871**, and the grayscale version is **85.9086, 90.3825, 98.4265**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6834, 52.1747, 45.7459** is the 20% darker color. If you saturate the color by 10%, you get **71.8317, 88.9180, 67.7159**, and if you desaturate by 10%, it is **92.9145, 98.9818, 105.0640**.

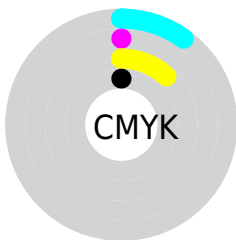
# Distribution



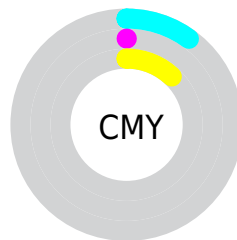
- Red (90%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (98%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6637, 93.6143, 84.9994 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 81.6637, 93.6143, 84.9994 by changing the saturation by 10% instead.




 81.6637, 93.6143,  
84.9994

 81.6637, 93.6143,  
84.9994


489.1737,  
539.7192, 531.7706

 61.4015, 70.9822,  
63.2907


134.6406,  
152.3488, 142.2465

 44.8031, 52.3277,  
45.6339


168.0860,  
189.2200, 178.6220

 31.5030, 37.2663,  
31.6105


206.6565,  
231.6064, 220.7235

 21.1358, 25.4138,  
20.8018

250.7176,  
279.8923, 268.9697

 13.3364, 16.3856,  
12.7894

300.6345,  
334.4621, 323.7789

 7.7392, 9.7974,  
7.1546

356.7725,

 3.9789, 5.2648,

395.7003, 385.5698

3.4791

419.4971,  
463.9912, 454.7608

■ 1.6902, 2.4035,  
1.3442

■ 0.4501, 0.8277,  
0.0976

■ 81.6637, 93.6143,  
84.9994

■ 81.6637, 93.6143,  
84.9994

■ 71.8317, 88.9180,  
67.7159

■ 92.9145, 98.9818,  
105.0640

■ 63.3597, 84.8656,  
53.0867

95.0500, 100.0000,  
108.9000

■ 56.1881, 81.4290,  
40.9817

■ 50.2519, 78.5778,  
31.2580

■ 45.4804, 76.2791,  
23.7586

■ 41.7957, 74.4964,  
18.3076

■ 39.1102, 73.1890,  
14.7025

■ 37.3218, 72.3095,  
12.6996

■ 36.4196, 71.8600,  
11.9509

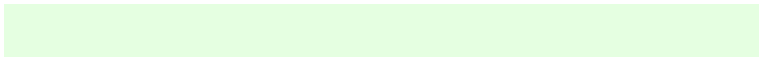
# Harmonies

## Analogous

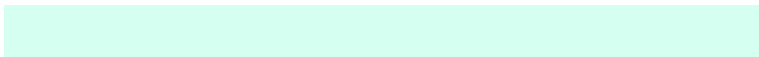
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6408, 93.6143, 77.8000



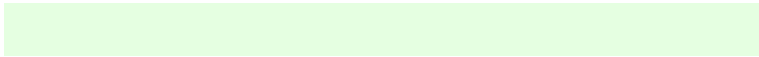
81.6637, 93.6143, 84.9994



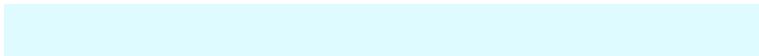
79.6700, 93.6143, 97.2200

# Triad

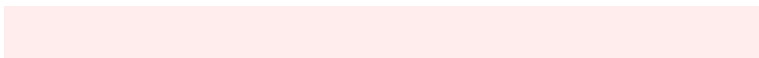
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6637, 93.6143, 84.9994



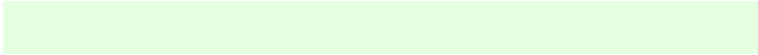
87.3174, 93.6143, 132.1483



98.4925, 93.6143, 92.5547

# Complementary

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



81.6637, 93.6143, 84.9994



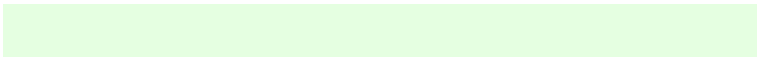
84.7597, 81.5809, 105.8871

# 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.



98.9833, 93.6143, 106.7898



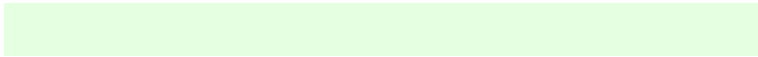
81.6637, 93.6143, 84.9994



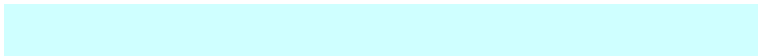
92.4000, 93.6143, 130.5953

# Square

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



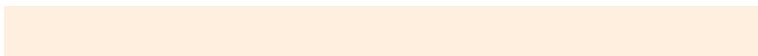
81.6637, 93.6143, 84.9994



82.8508, 93.6143, 125.0322



96.7156, 93.6143, 120.9717

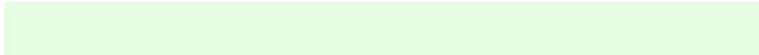


95.3992, 93.6143, 81.8647

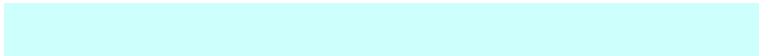


# Rectangle

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



81.6637, 93.6143, 84.9994



79.6799, 93.6143, 106.9697



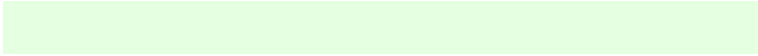
96.7156, 93.6143, 120.9717



98.9718, 93.6143, 97.0512

# Sweetspot

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



81.6644, 93.6146, 85.0008



90.2730, 97.7221, 100.3306



89.3281, 95.6909, 84.9977



19.1355, 20.8275, 21.1409



0.0000, 0.0000, 0.0000

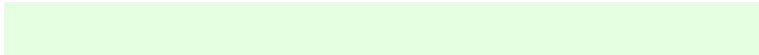


20.3446, 21.4041, 23.3091

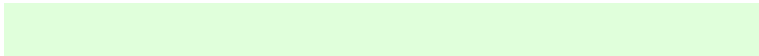


# Same Dimension

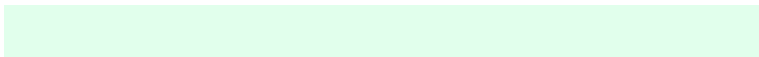
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6644, 93.6146, 85.0008



79.3446, 92.5071, 80.8988



81.9525, 93.5841, 93.1020



17.9967, 20.2842, 19.1110



19.0986, 37.5838, 6.2478



1.9257, 3.6935, 0.6114



# Inverse Universe

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



84.7597, 81.5809, 105.8871



82.9704, 78.4082, 105.3690



84.4950, 81.6432, 96.8939



18.5405, 18.1703, 22.7800



25.1056, 11.8529, 50.3992



2.5076, 1.1867, 4.9102



# Previews

## White Background



This preview shows how the XYZ color 81.6637, 93.6143, 84.9994 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

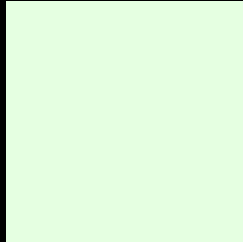
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.6637, 93.6143, 84.9994 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

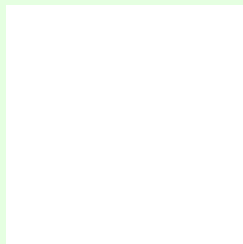
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.6637, 93.6143, 84.9994

## Background



This preview shows how black text looks on a background with the XYZ color 81.6637, 93.6143, 84.9994.



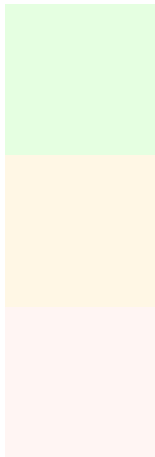
This preview shows how white text looks on a background with the XYZ color 81.6637, 93.6143,

84.9994.

# 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

81.6637, 93.6143, 84.9994

### Protanopia

88.6436, 93.4387, 87.4922

### Deuteranopia

90.0701, 93.0359, 98.0045

## **Tritanopia**

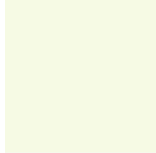
88.9256, 93.5879, 107.9851

# Trichromacy



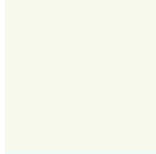
## Original Color

81.6637, 93.6143, 84.9994



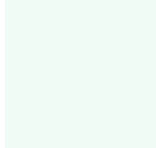
## Protanomaly

86.1952, 93.5655, 86.9158



## Deuteranomaly

87.0220, 93.4003, 92.7984



## Tritanomaly

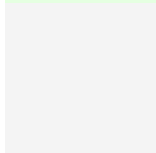
86.4229, 93.8767, 99.1530

# Monochromacy



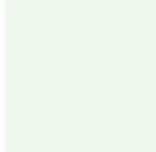
## Original Color

81.6637, 93.6143, 84.9994



## Achromatopsia

85.9880, 90.4661, 98.5176



## Achromatomaly

84.4501, 91.6000, 93.3503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.6637, 93.6143, 84.9994 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(229, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 225)  
}
```

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(229, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 81.6637, 93.6143, 84.9994 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(229, 255, 225) }
```



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

```
.border{ border-color:rgb(229, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.6637, 93.6143, 84.9994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 225) }
```

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

```
.background{ background-color: rgb(229,  
255, 225) }
```

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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