

# Converting Colors

XYZ(81.0584, 93.3345, 83.5085)

Have a look what the booklet for  
XYZ(81.0584, 93.3345, 83.5085)  
contains.

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# Color

**XYZ(81.0742, 93.3417,  
83.5557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FFDF
RGB	228, 255, 223
RGB Percent	89%, 100%, 87%
CMY	0.1059, 0.0000, 0.1255
CMYK	0.11, 0.00, 0.13, 0.00
HSL	111°, 100%, 94%
HSV	111°, 13%, 100%
XYZ	81.0742, 93.3417, 83.5557
YIQ	243.2790, -5.8200, -15.6760

# Conversions

## Conversions Part 2

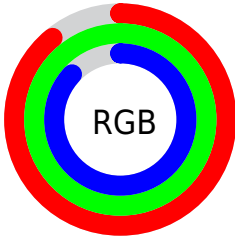
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 255, 250
Decimal	15007711
CIE <sub>Lab</sub>	97.37, -14.46, 12.35
CIE <sub>LCh</sub>	97, 19.017, 139.489
Yxy	93.3417, 0.3143, 0.3618
Android (android.graphics.Color)	4293197791 (0xFFE4FFDF)
YUV	243.2790, -9.9975, -13.3997
Hunter-Lab	96.6135, -19.2836, 16.3528

# Details

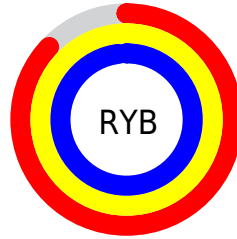
The XYZ color **81.0742, 93.3417, 83.5557** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.8627, 80.3205, 105.6911**, and the grayscale version is **85.4935, 89.9458, 97.9510**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2752, 51.9860, 44.7465** is the 20% darker color. If you saturate the color by 10%, you get **71.4843, 88.7657, 66.4913**, and if you desaturate by 10%, it is **92.0328, 98.5634, 103.3898**.

# Distribution



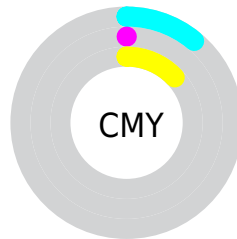
- Red (89%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (98%)



- Cyan (11%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0742, 93.3417, 83.5557 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 81.0742, 93.3417, 83.5557 by changing the saturation by 10% instead.



81.0742, 93.3417,  
83.5557

81.0742, 93.3417,  
83.5557

487.2272,  
538.8424, 526.8561

60.9142, 70.7555,  
62.1054

133.8176,  
151.9716, 140.2097

44.4082, 52.1427,  
44.6815

167.1316,  
188.7841, 176.2505

31.1908, 37.1189,  
30.8655

205.5611,  
231.1076, 217.9918

20.8968, 25.2995,  
20.2389

249.4714,  
279.3263, 265.8523

13.1606, 16.3004,  
12.3830

299.2278,  
333.8248, 320.2504

7.6170, 9.7369,  
6.8794

355.1956,

3.9006, 5.2249,

394.9874, 381.6047

3.3095

417.7403,  
463.1984, 450.3338

■ 1.6460, 2.3798,  
1.2547

■ 0.4221, 0.8155,  
0.0243

■ 81.0742, 93.3417,  
83.5557

■ 81.0742, 93.3417,  
83.5557

■ 71.4843, 88.7657,  
66.4913

■ 92.0328, 98.5634,  
103.3898

■ 63.2069, 84.8092,  
52.0692

95.0500, 100.0000,  
108.9000

■ 56.1848, 81.4455,  
40.1586

■ 50.3560, 78.6458,  
30.6159

■ 45.6529, 76.3787,  
23.2829

■ 42.0009, 74.6096,  
17.9821

■ 39.3163, 73.2997,  
14.5087

■ 37.5015, 72.4042,  
12.6151

■ 36.6289, 71.9680,  
11.9607

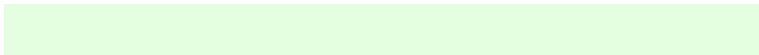
# Harmonies

## Analogous

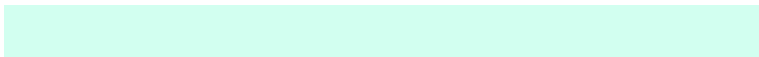
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3074, 93.3417, 76.1549



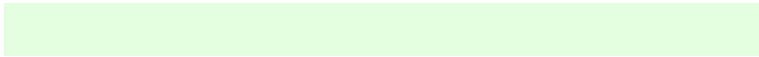
81.0742, 93.3417, 83.5557



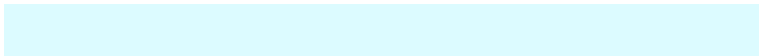
78.9190, 93.3417, 96.3173

# Triad

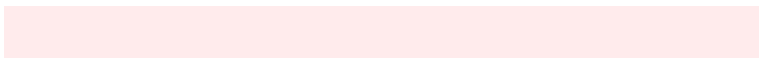
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0742, 93.3417, 83.5557



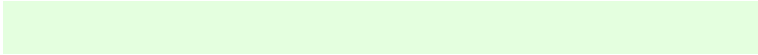
86.8424, 93.3417, 133.6790



98.8456, 93.3417, 92.0541

# Complementary

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



81.0742, 93.3417, 83.5557



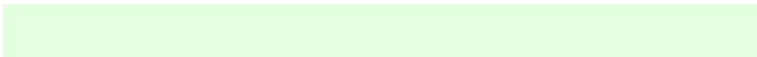
83.8627, 80.3205, 105.6911

# 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.



99.2973, 93.3417, 107.1412



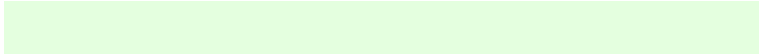
81.0742, 93.3417, 83.5557



92.2193, 93.3417, 132.2413

# Square

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



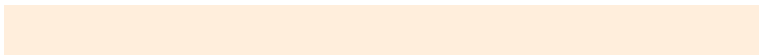
81.0742, 93.3417, 83.5557



82.1587, 93.3417, 125.8960



96.8288, 93.3417, 122.1465

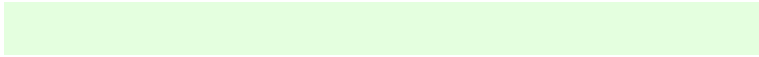


95.6185, 93.3417, 80.7070



# Rectangle

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



81.0742, 93.3417, 83.5557



78.8894, 93.3417, 106.6027



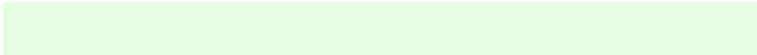
96.8288, 93.3417, 122.1465



99.3319, 93.3417, 96.8207

# Sweetspot

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



81.0749, 93.3420, 83.5571



90.3552, 97.7645, 100.3344



88.6418, 94.7523, 83.4305



19.1562, 20.8382, 21.1419



0.0000, 0.0000, 0.0000

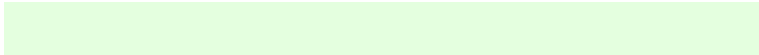


20.3446, 21.4041, 23.3091

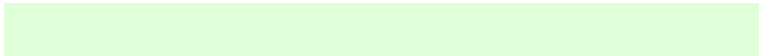


# Same Dimension

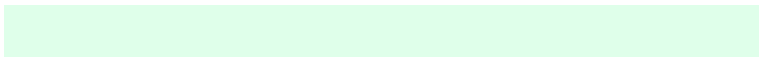
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0749, 93.3420, 83.5571



78.5990, 92.1613, 79.1216



80.9956, 93.1297, 91.2990



18.0358, 20.3043, 19.1129



19.2173, 37.6450, 6.2534



1.9440, 3.7029, 0.6123



# Inverse Universe

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



83.8627, 80.3205, 105.6911



81.8738, 76.8610, 105.1282



84.0081, 80.5884, 96.9815



18.4975, 18.1482, 22.7780



24.2038, 11.3880, 50.3570



2.4284, 1.1458, 4.9064



# Previews

## White Background



This preview shows how the XYZ color 81.0742, 93.3417, 83.5557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

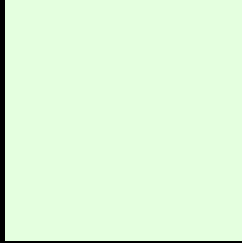
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0742, 93.3417, 83.5557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

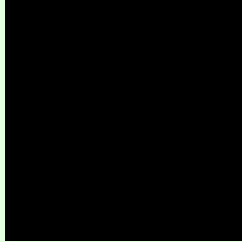
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

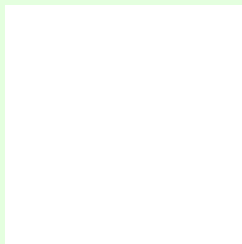
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.0742, 93.3417, 83.5557**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.0742, 93.3417, 83.5557.



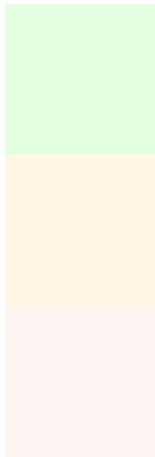
This preview shows how white text looks on a background with the XYZ color 81.0742, 93.3417,

83.5557.

# 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

81.0742, 93.3417, 83.5557

### Protanopia

88.3659, 93.3276, 86.0297

### Deuteranopia

89.9194, 92.9756, 97.2112

## **Tritanopia**

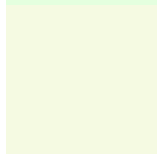
88.5795, 93.4095, 107.9689

# Trichromacy



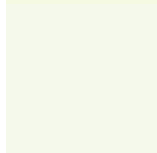
## Original Color

81.0742, 93.3417, 83.5557



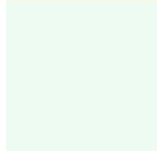
## Protanomaly

85.5693, 93.2747, 85.4453



## Deuteranomaly

86.5273, 93.1620, 92.0189



## Tritanomaly

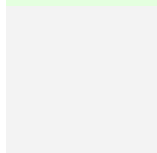
85.9347, 93.6426, 98.3396

# Monochromacy



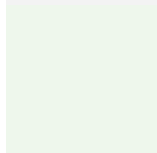
## Original Color

81.0742, 93.3417, 83.5557



## Achromatopsia

85.1904, 89.6269, 97.6037



## Achromatomaly

83.6610, 90.7548, 92.4649

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0742, 93.3417, 83.5557 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(228, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0742, 93.3417, 83.5557 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(228, 255, 223) }
```



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

```
.border{ border-color:rgb(228, 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(228, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0742, 93.3417, 83.5557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 223) }
```

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

```
.background{ background-color: rgb(228,  
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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