

Converting Colors

XYZ(81.5609, 93.4310, 90.8809)

Have a look what the booklet for
XYZ(81.5609, 93.4310, 90.8809)
contains.

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Color

**XYZ(81.5193, 93.4107,
90.8243)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FFE9
RGB	225, 255, 233
RGB Percent	88%, 100%, 91%
CMY	0.1176, 0.0000, 0.0863
CMYK	0.12, 0.00, 0.09, 0.00
HSL	136°, 100%, 94%
HSV	136°, 12%, 100%
XYZ	81.5193, 93.4107, 90.8243
YIQ	243.5220, -10.8180, -13.2020

Conversions

Conversions Part 2

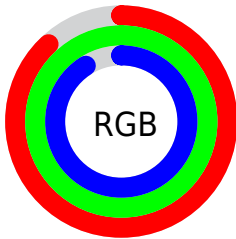
Format	Color
R _Y B	225, 249, 255
Decimal	14811113
CIE Lab	97.39, -13.71, 7.24
CIE LCh	97, 15.506, 152.171
Yxy	93.4107, 0.3067, 0.3515
Android (android.graphics.Color)	4293001193 (0xFFE1FFE9)
YUV	243.5220, -5.1873, -16.2438
Hunter-Lab	96.6492, -18.5793, 11.9378

Details

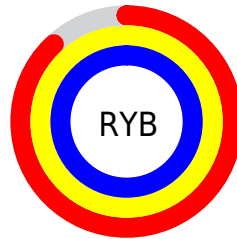
The XYZ color **81.5193, 93.4107, 90.8243** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.9542, 81.8267, 99.3121**, and the grayscale version is **85.6531, 90.1137, 98.1338**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7075, 52.1085, 49.2966** is the 20% darker color. If you saturate the color by 10%, you get **71.6228, 88.6014, 77.1478**, and if you desaturate by 10%, it is **92.8878, 98.9462, 106.0503**.

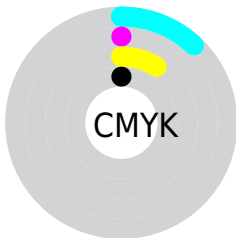
Distribution



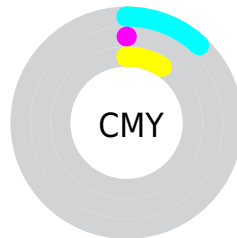
- Red (88%)
- Green (100%)
- Blue (91%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.5193, 93.4107, 90.8243 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 81.5193, 93.4107, 90.8243 by changing the saturation by 10% instead.


 81.5193, 93.4107,
90.8243

 81.5193, 93.4107,
90.8243


488.6973,
539.0644, 551.3478

 61.2821, 70.8129,
68.0870

134.4390,
152.0671, 150.4284

 44.7063, 52.1895,
49.5014


167.8523,
188.8945, 188.1322

 31.4264, 37.1562,
34.6489


206.3884,
231.2339, 231.6619

 21.0772, 25.3284,
23.1112

250.4125,
279.4696, 281.4360

 13.2932, 16.3219,
14.4696

300.2901,
333.9862, 337.8731

 7.7092, 9.7522,
8.3055

356.3865,

 3.9597, 5.2350,

395.1679, 401.3918

4.2005

419.0671,
463.3992, 472.4105

■ 1.6793, 2.3858,
1.7360

■ 0.4433, 0.8186,
0.3852

■ 81.5193, 93.4107,
90.8243

■ 81.5193, 93.4107,
90.8243

■ 71.6228, 88.6014,
77.1478

■ 92.8878, 98.9462,
106.0503

■ 63.1346, 84.4863,
64.9678

95.0500, 100.0000,
108.9000

■ 55.9899, 81.0333,
54.2345

■ 50.1177, 78.2067,
44.8938

■ 45.4406, 75.9679,
36.8881

■ 41.8718, 74.2735,
30.1558

■ 39.3130, 73.0740,
24.6305

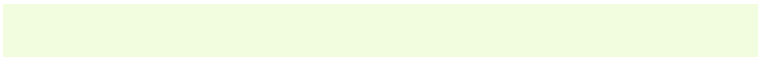
■ 37.6464, 72.3103,
20.2391

■ 36.8035, 71.9374,
17.4152

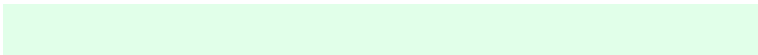
Harmonies

Analogous

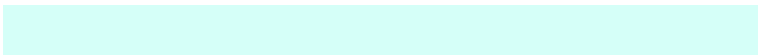
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3606, 93.4107, 82.5688



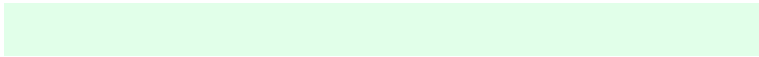
81.5193, 93.4107, 90.8243



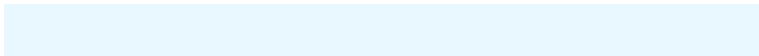
80.6053, 93.4107, 102.6277

Triad

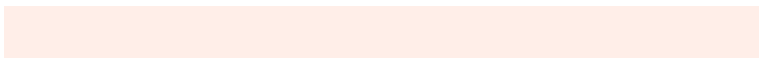
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5193, 93.4107, 90.8243



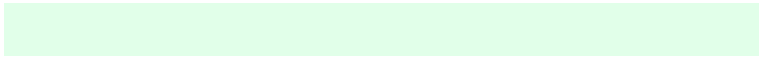
89.1045, 93.4107, 127.8575



96.1302, 93.4107, 89.3600

Complementary

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



81.5193, 93.4107, 90.8243



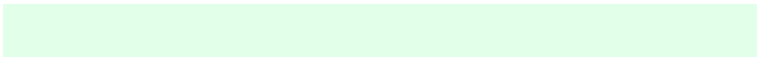
84.9542, 81.8267, 99.3121

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.



97.4982, 93.4107, 100.7945



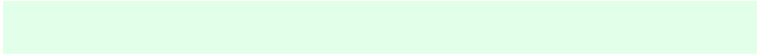
81.5193, 93.4107, 90.8243



93.3595, 93.4107, 123.5982

Square

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



81.5193, 93.4107, 90.8243



84.8975, 93.4107, 124.6450



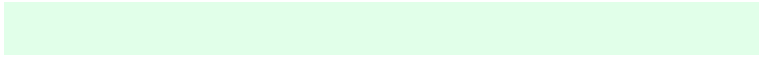
96.4681, 93.4107, 113.4290



92.7874, 93.4107, 81.7737

Rectangle

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



81.5193, 93.4107, 90.8243



81.1867, 93.4107, 111.1165



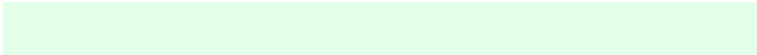
96.4681, 93.4107, 113.4290



96.8412, 93.4107, 92.8469

Sweetspot

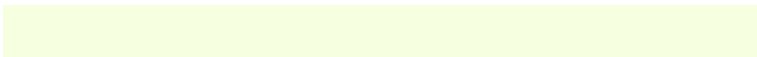
The Sweet Spot groups the original color and five complimentary colors.



81.5201, 93.4111, 90.8258



90.2154, 97.6441, 102.5095



87.7088, 96.7306, 85.2835



19.1210, 20.8079, 21.6901



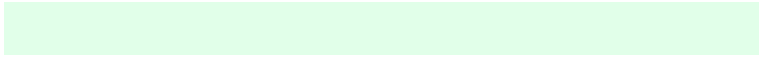
0.0000, 0.0000, 0.0000



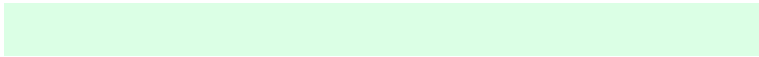
20.3446, 21.4041, 23.3091

Same Dimension

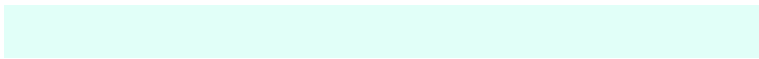
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5201, 93.4111, 90.8258



79.1816, 92.2738, 87.6349



83.7552, 94.3052, 102.5956



17.9705, 20.2477, 20.1474



19.2830, 37.6098, 9.3755



1.9205, 3.6791, 1.1393

Inverse Universe

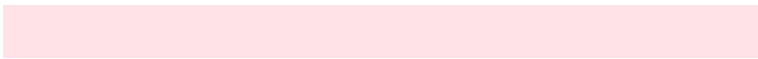
The Inverse Universe completely reimagines the original color for something new.



84.9542, 81.8267, 99.3121



83.2046, 78.7016, 97.5759



82.7314, 80.9376, 87.6070



18.5737, 18.2128, 21.6384



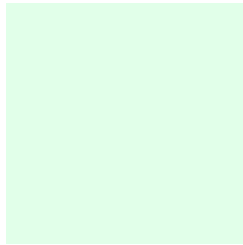
26.3006, 13.0095, 26.0311



2.6062, 1.2848, 2.7735

Previews

White Background



This preview shows how the XYZ color 81.5193, 93.4107, 90.8243 looks on a white background.

Color Contrast Check

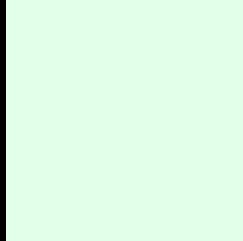
Large Text (above 18pt) WCAG AA × Fail

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 81.5193, 93.4107, 90.8243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

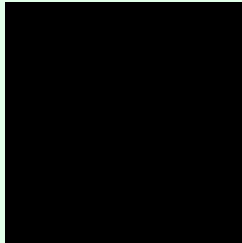
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

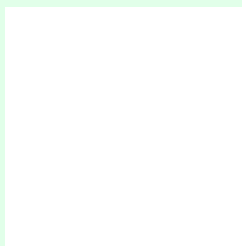
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.5193, 93.4107, 90.8243

Background



This preview shows how black text looks on a background with the XYZ color 81.5193, 93.4107, 90.8243.



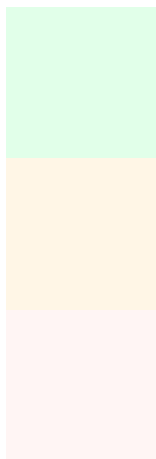
This preview shows how white text looks on a background with the XYZ color 81.5193, 93.4107,

90.8243.

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

81.5193, 93.4107, 90.8243

Protanopia

88.4787, 92.8847, 88.1281

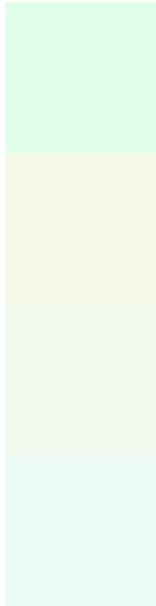
Deuteranopia

90.2215, 93.0965, 98.8022

Tritanopia

88.2354, 93.2320, 107.9528

Trichromacy



Original Color

81.5193, 93.4107, 90.8243

Protanomaly

85.6077, 92.7540, 88.9926

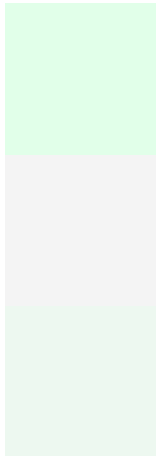
Deuteranomaly

86.9121, 93.2757, 95.8613

Tritanomaly

85.8778, 93.5426, 101.5250

Monochromacy



Original Color

81.5193, 93.4107, 90.8243

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.2206, 91.4306, 95.6470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5193, 93.4107, 90.8243 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(225, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 233)  
}
```

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(225, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 81.5193, 93.4107, 90.8243 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(225, 255, 233) }
```


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

```
.border{ border-color:rgb(225, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5193, 93.4107, 90.8243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 233) }
```

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

```
.background{ background-color: rgb(225,  
255, 233) }
```

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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