

Converting Colors

XYZ(84.6340, 100.0000,
87.2704)

Have a look what the booklet for
XYZ(84.6340, 100.0000, 87.2704)
contains.

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Color

**XYZ(81.3037, 93.3969,
86.4153)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFE3
RGB	227, 255, 227
RGB Percent	89%, 100%, 89%
CMY	0.1098, 0.0000, 0.1098
CMYK	0.11, 0.00, 0.11, 0.00
HSL	120°, 100%, 95%
HSV	120°, 11%, 100%
XYZ	81.3037, 93.3969, 86.4153
YIQ	243.4360, -7.7000, -14.6440

Conversions

Conversions Part 2

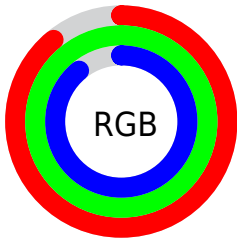
Format	Color
R_{YB}	227, 255, 255
Decimal	14942179
CIE _{Lab}	97.39, -14.11, 10.33
CIE _{LCh}	97, 17.483, 143.797
Yxy	93.3969, 0.3114, 0.3577
Android (android.graphics.Color)	4293132259 (0xFFE3FFE3)
YUV	243.4360, -8.1029, -14.4144
Hunter-Lab	96.6421, -18.9539, 14.6336

Details

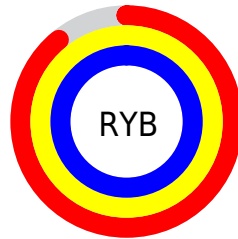
The XYZ color **81.3037, 93.3969, 86.4153** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **86.7595, 83.4191, 106.1363**, and the grayscale version is **85.6052, 90.0633, 98.0790**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4351, 52.0247, 46.7295** is the 20% darker color. If you saturate the color by 10%, you get **70.5843, 88.2479, 68.8820**, and if you desaturate by 10%, it is **93.7371, 99.3694, 106.7526**.

Distribution



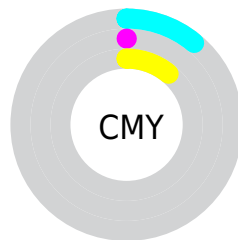
- Red (89%)
- Green (100%)
- Blue (89%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.3037, 93.3969, 86.4153 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 81.3037, 93.3969, 86.4153 by changing the saturation by 10% instead.

81.3037, 93.3969,
86.4153

81.3037, 93.3969,
86.4153

487.9855,
539.0200, 536.5659

61.1039, 70.8014,
64.4546

134.1380,
152.0480, 144.2406

44.5619, 52.1802,
46.5704

167.5033,
188.8724, 180.9422

31.3123, 37.1487,
32.3443

205.9878,
231.2086, 223.3945

20.9898, 25.3226,
21.3576

249.9568,
279.4410, 272.0161

13.2289, 16.3176,
13.1919

299.7757,
333.9539, 327.2255

7.6645, 9.7492,
7.4285

355.8099,

3.9310, 5.2330,

395.1318, 389.4412

3.6490

418.4247,
463.3590, 459.0818

■ 1.6632, 2.3846,
1.4348

■ 0.4330, 0.8179,
0.1687

■ 81.3037, 93.3969,
86.4153

■ 81.3037, 93.3969,
86.4153

■ 70.5843, 88.2479,
68.8820

■ 93.7371, 99.3694,
106.7526

■ 61.5016, 83.8850,
54.0256

■ 95.0500, 100.0000,
108.9000

■ 53.9758, 80.2700,
41.7157

■ 47.9196, 77.3608,
31.8096

■ 43.2369, 75.1115,
24.1501

■ 39.8203, 73.4704,
18.5617

■ 37.5467, 72.3782,
14.8426

■ 36.2681, 71.7641,
12.7512

■ 35.7600, 71.5200,
11.9201

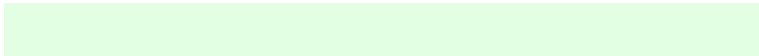
Harmonies

Analogous

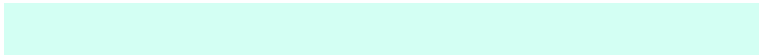
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9823, 93.3969, 78.7174



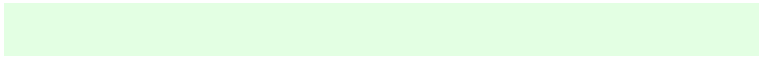
81.3037, 93.3969, 86.4153



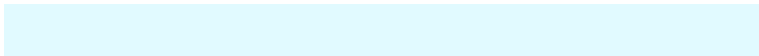
79.6333, 93.3969, 98.7739

Triad

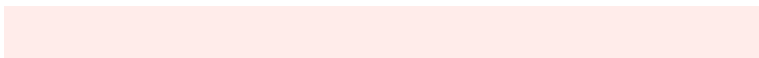
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3037, 93.3969, 86.4153



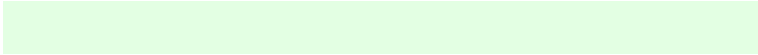
87.7456, 93.3969, 131.2987



97.7756, 93.3969, 91.0774

Complementary

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



81.3037, 93.3969, 86.4153



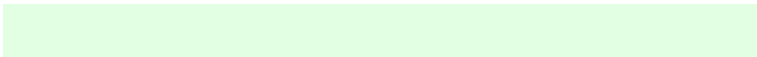
86.7595, 83.4191, 106.1363

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.



98.5822, 93.3969, 104.6697



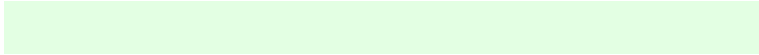
81.3037, 93.3969, 86.4153



92.6705, 93.3969, 128.7544

Square

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



81.3037, 93.3969, 86.4153



83.2624, 93.3969, 125.3352



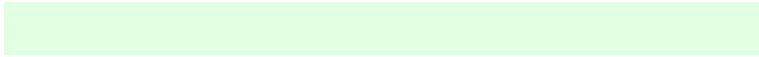
96.6820, 93.3969, 118.6737



94.5173, 93.3969, 81.2288

Rectangle

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



81.3037, 93.3969, 86.4153



79.8373, 93.3969, 108.3395



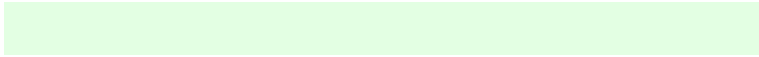
96.6820, 93.3969, 118.6737



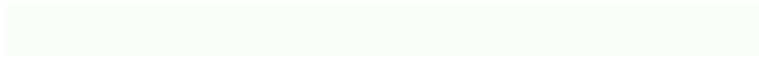
98.3474, 93.3969, 95.3247

Sweetspot

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



81.3045, 93.3973, 86.4168



91.0839, 98.0949, 102.4128



90.8654, 98.3261, 86.8640



19.2746, 20.8901, 21.5589



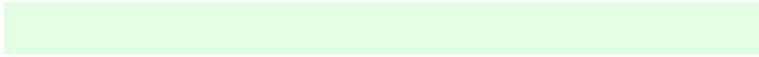
0.0000, 0.0000, 0.0000



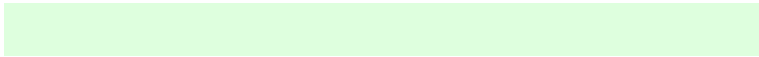
20.3446, 21.4041, 23.3091

Same Dimension

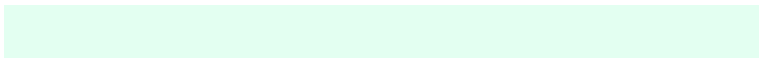
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3045, 93.3973, 86.4168



79.0030, 92.2918, 82.6523



83.3164, 94.2021, 97.0113



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



86.7595, 83.4191, 106.1363



85.3714, 80.6429, 105.6735



84.5868, 82.5500, 94.6953



18.7928, 18.3004, 22.7917



30.9801, 14.8813, 50.6729



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 81.3037, 93.3969, 86.4153 looks on a white background.

Color Contrast Check

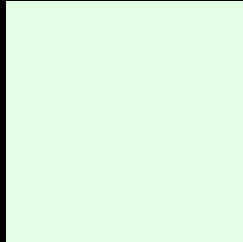
Large Text (above 18pt) WCAG AA × Fail

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 81.3037, 93.3969, 86.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

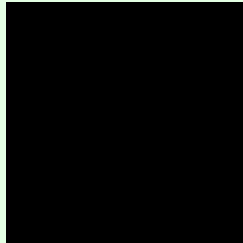
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

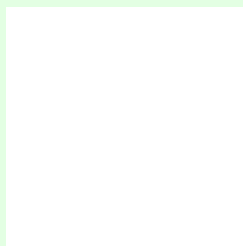
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.3037, 93.3969, 86.4153

Background



This preview shows how black text looks on a background with the XYZ color 81.3037, 93.3969, 86.4153.



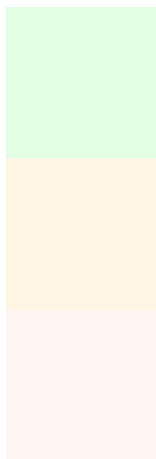
This preview shows how white text looks on a background with the XYZ color 81.3037, 93.3969,

86.4153.

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

81.3037, 93.3969, 86.4153

Protanopia

88.1994, 92.7730, 86.6572

Deuteranopia

90.0701, 93.0359, 98.0045

Tritanopia

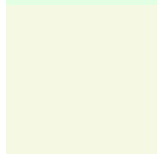
88.5795, 93.4095, 107.9689

Trichromacy



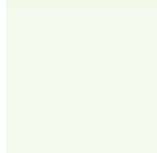
Original Color

81.3037, 93.3969, 86.4153



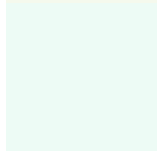
Protanomaly

85.5355, 92.7653, 86.7961



Deuteranomaly

86.8179, 93.2783, 93.5495



Tritanomaly

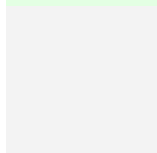
85.9037, 93.5915, 99.9236

Monochromacy



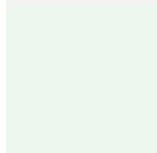
Original Color

81.3037, 93.3969, 86.4153



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.4719, 90.6405, 93.2167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3037, 93.3969, 86.4153 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(227, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 255, 227) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 81.3037, 93.3969, 86.4153 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(227, 255, 227) }
```


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

```
.border{ border-color:rgb(227, 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(227, 255, 227)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 81.3037, 93.3969, 86.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 227) }
```

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

```
.background{ background-color: rgb(227,  
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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