

Converting Colors

XYZ(80.7280, 92.9303, 87.5335)

Have a look what the booklet for
XYZ(80.7280, 92.9303, 87.5335)
contains.

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Color

**XYZ(80.9542, 93.1847,
87.8484)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FFE5
RGB	225, 255, 229
RGB Percent	88%, 100%, 90%
CMY	0.1176, 0.0000, 0.1020
CMYK	0.12, 0.00, 0.10, 0.00
HSL	128°, 100%, 94%
HSV	128°, 12%, 100%
XYZ	80.9542, 93.1847, 87.8484
YIQ	243.0660, -9.5340, -14.4460

Conversions

Conversions Part 2

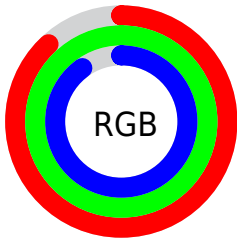
Format	Color
R_{YB}	225, 251, 255
Decimal	14811109
CIE _{Lab}	97.30, -14.42, 9.16
CIE _{LCh}	97, 17.082, 147.572
Yxy	93.1847, 0.3090, 0.3557
Android (android.graphics.Color)	4293001189 (0xFFE1FFE5)
YUV	243.0660, -6.9345, -15.8439
Hunter-Lab	96.5322, -19.2371, 13.6162

Details

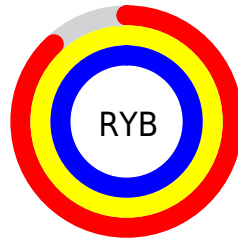
The XYZ color **80.9542, 93.1847, 87.8484** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.5782, 82.0763, 102.5984**, and the grayscale version is **85.3024, 89.7447, 97.7320**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4116, 51.9902, 47.7388** is the 20% darker color. If you saturate the color by 10%, you get **70.6971, 88.2311, 72.2730**, and if you desaturate by 10%, it is **92.7929, 98.9082, 105.5512**.

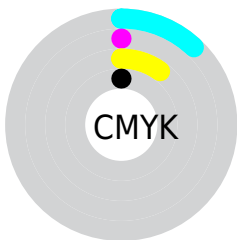
Distribution



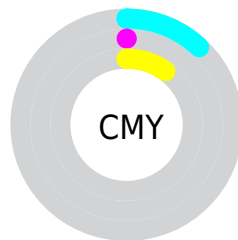
- Red (88%)
- Green (100%)
- Blue (90%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9542, 93.1847, 87.8484 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 80.9542, 93.1847, 87.8484 by changing the saturation by 10% instead.


 80.9542, 93.1847,
87.8484

 80.9542, 93.1847,
87.8484


486.8305,
538.3370, 541.3951

 60.8150, 70.6250,
65.6339


133.6500,
151.7543, 146.2554

 44.3279, 52.0363,
47.5207


166.9373,
188.5330, 183.2849

 31.1274, 37.0340,
33.0902


205.3380,
230.8202, 226.0899

 20.8482, 25.2338,
21.9238

249.2175,
279.0003, 275.0888

 13.1249, 16.2513,
13.6032

298.9411,
333.4576, 330.7003

 7.5922, 9.7022,
7.7096

354.8743,

 3.8847, 5.2019,

394.5765, 393.3428

3.8246

417.3823,
462.7416, 463.4349

■ 1.6371, 2.3662,
1.5296

■ 0.4164, 0.8084,
0.2398

■ 80.9542, 93.1847,
87.8484

■ 80.9542, 93.1847,
87.8484

■ 70.6971, 88.2311,
72.2730

■ 92.7929, 98.9082,
105.5512

■ 61.9521, 84.0133,
58.7408

95.0500, 100.0000,
108.9000

■ 54.6480, 80.4965,
47.1681

■ 48.7069, 77.6424,
37.4642

■ 44.0434, 75.4090,
29.5310

■ 40.5626, 73.7498,
23.2614

■ 38.1558, 72.6111,
18.5368

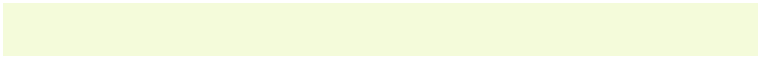
■ 36.6938, 71.9292,
15.2229

■ 36.0488, 71.6355,
13.4408

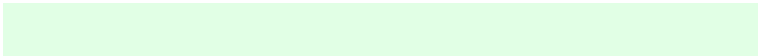
Harmonies

Analogous

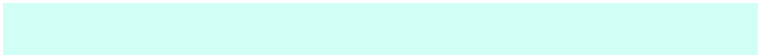
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3369, 93.1847, 79.6504



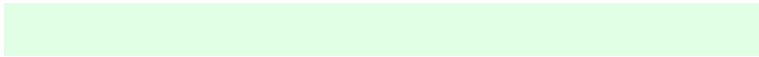
80.9542, 93.1847, 87.8484



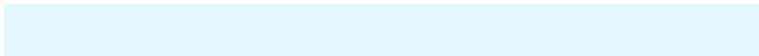
79.6047, 93.1847, 100.3388

Triad

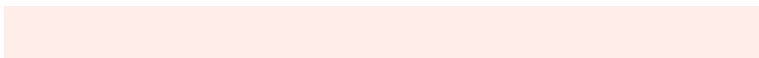
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9542, 93.1847, 87.8484



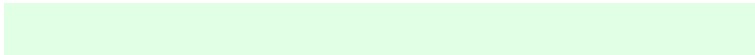
88.1761, 93.1847, 130.4453



97.0654, 93.1847, 89.6347

Complementary

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



80.9542, 93.1847, 87.8484



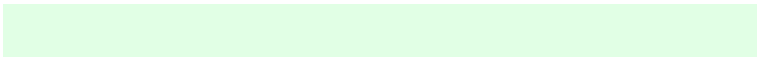
85.5782, 82.0763, 102.5984

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.



98.1827, 93.1847, 102.5941



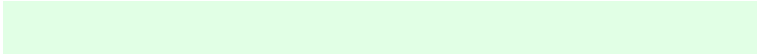
80.9542, 93.1847, 87.8484



92.9409, 93.1847, 126.9316

Square

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



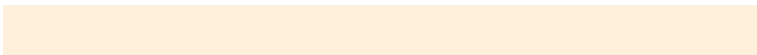
80.9542, 93.1847, 87.8484



83.6785, 93.1847, 125.6269



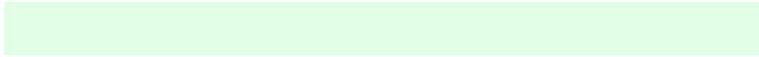
96.6475, 93.1847, 116.4147



93.6469, 93.1847, 80.6139

Rectangle

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



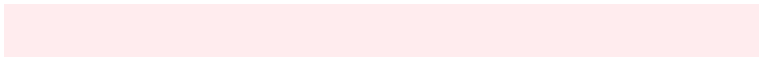
80.9542, 93.1847, 87.8484



80.0015, 93.1847, 109.7117



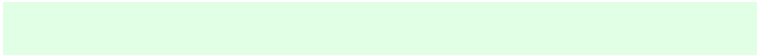
96.6475, 93.1847, 116.4147



97.7279, 93.1847, 93.6371

Sweetspot

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



80.9550, 93.1851, 87.8498



90.0056, 97.5602, 101.4049



89.1346, 97.4656, 85.3502



19.0681, 20.7867, 21.4115



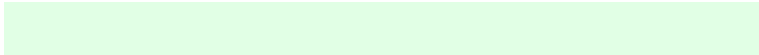
0.0000, 0.0000, 0.0000



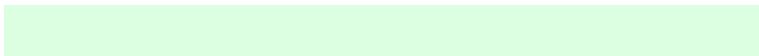
20.3446, 21.4041, 23.3091

Same Dimension

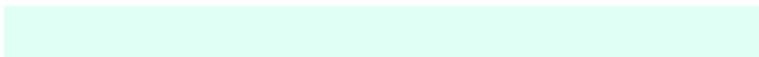
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9550, 93.1851, 87.8498



78.5265, 92.0117, 84.1853



83.1411, 94.0595, 99.3617



17.8702, 20.2076, 19.6192



18.8663, 37.4431, 7.1813



1.8659, 3.6573, 0.8517

Inverse Universe

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



85.5782, 82.0763, 102.5984



83.9428, 78.9969, 101.4631



83.3061, 81.1675, 90.6338



18.6823, 18.2562, 22.2101



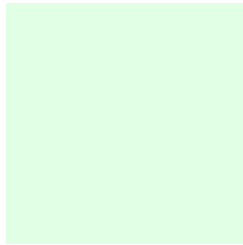
28.4085, 13.8527, 37.1314



2.7937, 1.3599, 3.7610

Previews

White Background



This preview shows how the XYZ color 80.9542, 93.1847, 87.8484 looks on a white background.

Color Contrast Check

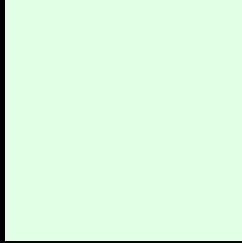
Large Text (above 18pt) WCAG AA × Fail

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 80.9542, 93.1847, 87.8484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

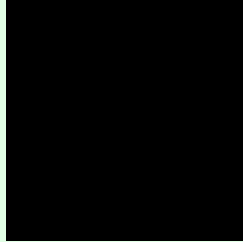
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

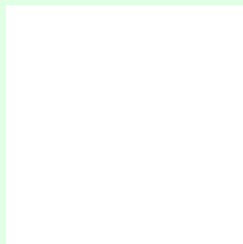
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9542, 93.1847, 87.8484

Background



This preview shows how black text looks on a background with the XYZ color 80.9542, 93.1847, 87.8484.



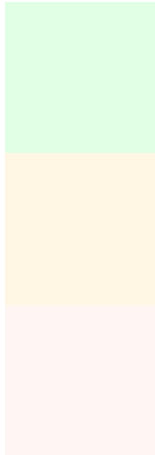
This preview shows how white text looks on a background with the XYZ color 80.9542, 93.1847,

87.8484.

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

80.9542, 93.1847, 87.8484

Protanopia

88.1994, 92.7730, 86.6572

Deuteranopia

90.0701, 93.0359, 98.0045

Tritanopia

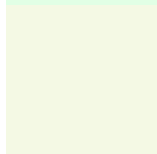
88.2354, 93.2320, 107.9528

Trichromacy



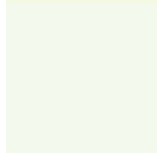
Original Color

80.9542, 93.1847, 87.8484



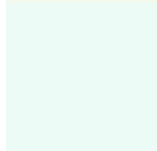
Protanomaly

85.1875, 92.5859, 86.7798



Deuteranomaly

86.6165, 93.1575, 94.3049



Tritanomaly

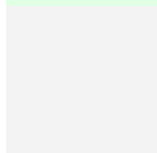
85.7238, 93.4810, 100.7143

Monochromacy



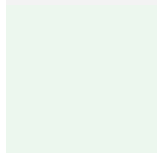
Original Color

80.9542, 93.1847, 87.8484



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.2855, 90.5274, 93.9729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9542, 93.1847, 87.8484 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, 229)` looks like.

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

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, 229) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 80.9542, 93.1847, 87.8484 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, 229) }
```


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

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

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, 229)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 80.9542, 93.1847, 87.8484 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, 229) }
```

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

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

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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