

Converting Colors

XYZ(81.9776, 93.8269, 82.7167)

Have a look what the booklet for
XYZ(81.9776, 93.8269, 82.7167)
contains.

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Color

**XYZ(81.8998, 93.7829,
82.8926)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFDE
RGB	231, 255, 222
RGB Percent	91%, 100%, 87%
CMY	0.0941, 0.0000, 0.1294
CMYK	0.09, 0.00, 0.13, 0.00
HSL	104°, 100%, 94%
HSV	104°, 13%, 100%
XYZ	81.8998, 93.7829, 82.8926
YIQ	244.0620, -3.7110, -15.3510

Conversions

Conversions Part 2

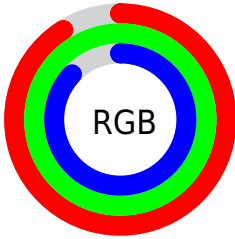
Format	Color
R_{YB}	222, 255, 246
Decimal	15204318
CIE _{Lab}	97.54, -13.62, 13.15
CIE _{LCh}	98, 18.931, 136.020
Yxy	93.7829, 0.3167, 0.3627
Android (android.graphics.Color)	4293394398 (0xFFE7FFDE)
YUV	244.0620, -10.8766, -11.4554
Hunter-Lab	96.8416, -18.5137, 17.0392

Details

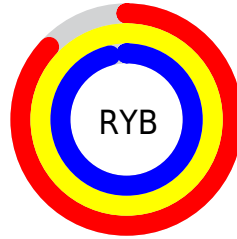
The XYZ color **81.8998, 93.7829, 82.8926** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **82.1782, 79.0566, 105.5359**, and the grayscale version is **86.1245, 90.6097, 98.6740**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8483, 52.2921, 44.2889** is the 20% darker color. If you saturate the color by 10%, you get **73.0639, 89.5933, 65.9670**, and if you desaturate by 10%, it is **91.8882, 98.5068, 102.5731**.

Distribution



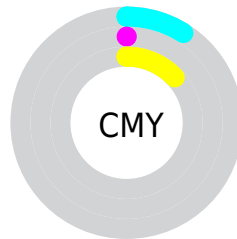
- Red (91%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8998, 93.7829, 82.8926 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 81.8998, 93.7829, 82.8926 by changing the saturation by 10% instead.


 81.8998, 93.7829,
82.8926

 81.8998, 93.7829,
82.8926


489.9520,
540.2612, 524.5901

 61.5968, 71.1224,
61.5615


134.9700,
152.5821, 139.2729

 44.9613, 52.4421,
44.2449


168.4680,
189.4895, 175.1592

 31.6281, 37.3576,
30.5245


207.0949,
231.9147, 216.7342

 21.2318, 25.4845,
19.9816

251.2162,
280.2421, 264.4166

 13.4070, 16.4384,
12.1977

301.1972,
334.8561, 318.6248

 7.7883, 9.8349,
6.7543

357.4032,

 4.0104, 5.2896,

396.1409, 379.7775

3.2328

420.1998,
464.4812, 448.2931

■ 1.7080, 2.4182,
1.2147

■ 0.4613, 0.8352,
0.0000

■ 81.8998, 93.7829,
82.8926

■ 81.8998, 93.7829,
82.8926

■ 73.0639, 89.5933,
65.9670

■ 91.8882, 98.5068,
102.5731

■ 65.3358, 85.9177,
51.6693

95.0500, 100.0000,
108.9000

■ 58.6707, 82.7360,
39.8689

■ 53.0195, 80.0259,
30.4221

■ 48.3294, 77.7637,
23.1709

■ 44.5421, 75.9233,
17.9376

■ 41.5924, 74.4753,
14.5171

■ 39.4044, 73.3861,
12.6605

■ 38.2529, 72.8052,
12.0367

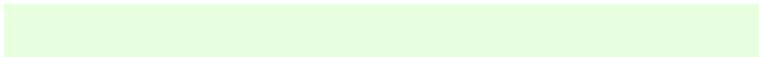
Harmonies

Analogous

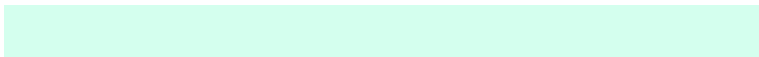
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3136, 93.7829, 76.2043



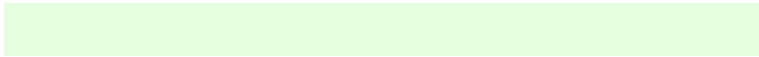
81.8998, 93.7829, 82.8926



79.4723, 93.7829, 95.1226

Triad

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



81.8998, 93.7829, 82.8926



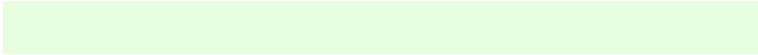
86.6621, 93.7829, 133.6425



99.4544, 93.7829, 94.1546

Complementary

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



81.8998, 93.7829, 82.8926



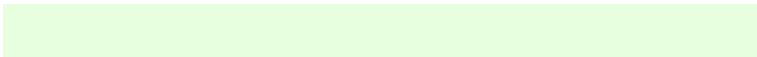
82.1782, 79.0566, 105.5359

Split Complementary

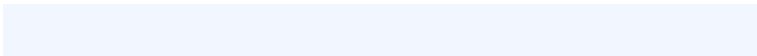
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.5569, 93.7829, 109.4391



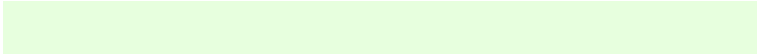
81.8998, 93.7829, 82.8926



92.0230, 93.7829, 133.3162

Square

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



81.8998, 93.7829, 82.8926



82.1461, 93.7829, 124.9484



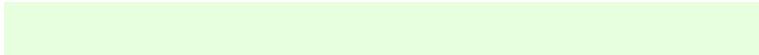
96.7902, 93.7829, 124.0975



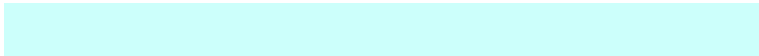
96.5155, 93.7829, 82.2456

Rectangle

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



81.8998, 93.7829, 82.8926



79.2415, 93.7829, 105.2519



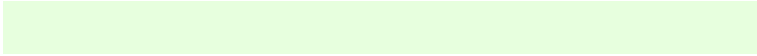
96.7902, 93.7829, 124.0975



99.8256, 93.7829, 99.0384

Sweetspot

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



81.9005, 93.7831, 82.8940



90.7742, 97.9804, 100.3540



87.2747, 92.2332, 82.3116



19.2618, 20.8927, 21.1469



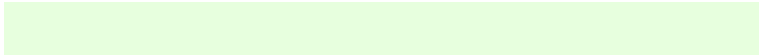
0.0000, 0.0000, 0.0000



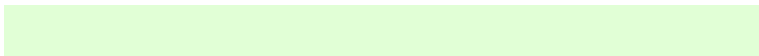
20.3446, 21.4041, 23.3091

Same Dimension

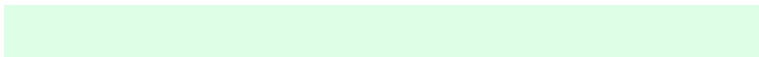
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9005, 93.7831, 82.8940



79.0765, 92.4454, 77.4283



80.0489, 92.7155, 87.9166



18.2364, 20.4078, 19.1223



20.1096, 38.1050, 6.2951



2.0575, 3.7614, 0.6176

Inverse Universe

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



82.1782, 79.0566, 105.5359



79.4114, 74.6248, 104.8263



84.2819, 80.2717, 99.7372



18.2812, 18.0367, 22.7679



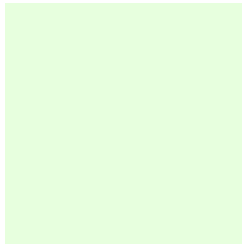
20.0945, 9.2696, 50.1647



2.0615, 0.9567, 4.8893

Previews

White Background



This preview shows how the XYZ color 81.8998, 93.7829, 82.8926 looks on a white background.

Color Contrast Check

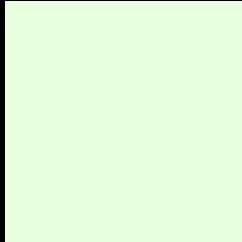
Large Text (above 18pt) WCAG AA × Fail

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 81.8998, 93.7829, 82.8926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

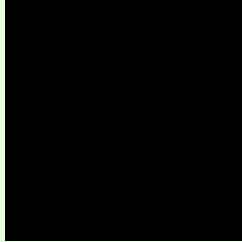
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

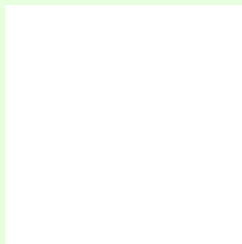
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.8998, 93.7829, 82.8926

Background



This preview shows how black text looks on a background with the XYZ color 81.8998, 93.7829, 82.8926.



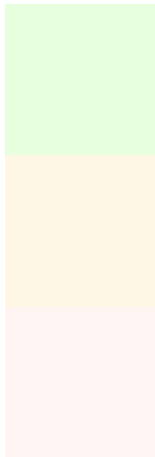
This preview shows how white text looks on a background with the XYZ color 81.8998, 93.7829,

82.8926.

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

81.8998, 93.7829, 82.8926

Protanopia

88.6436, 93.4387, 87.4922

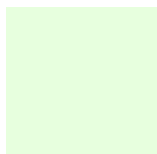
Deuteranopia

90.3734, 93.6426, 98.1057

Tritanopia

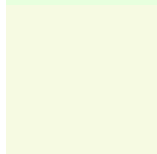
88.9256, 93.5879, 107.9851

Trichromacy



Original Color

81.8998, 93.7829, 82.8926



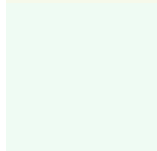
Protanomaly

85.9191, 93.4550, 85.4617



Deuteranomaly

86.8771, 93.3424, 92.0352



Tritanomaly

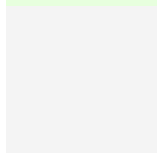
86.2714, 93.8161, 98.3554

Monochromacy



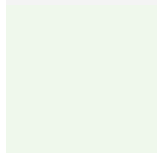
Original Color

81.8998, 93.7829, 82.8926



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.3043, 91.5417, 92.5829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8998, 93.7829, 82.8926 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(231, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 222)  
}
```

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(231, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 81.8998, 93.7829, 82.8926 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(231, 255, 222) }
```


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

```
.border{ border-color:rgb(231, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8998, 93.7829, 82.8926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 222) }
```

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

```
.background{ background-color: rgb(231,  
255, 222) }
```

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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