

# Converting Colors

XYZ(85.1380, 100.0000,  
83.8781)

Have a look what the booklet for  
XYZ(85.1380, 100.0000, 83.8781)  
contains.

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# Color

**XYZ(82.2235, 93.9497,  
82.9077)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E8FFDE                      |
| RGB         | 232, 255, 222               |
| RGB Percent | 91%, 100%, 87%              |
| CMY         | 0.0902, 0.0000, 0.1294      |
| CMYK        | 0.09, 0.00, 0.13, 0.00      |
| HSL         | 102°, 100%, 94%             |
| HSV         | 102°, 13%, 100%             |
| XYZ         | 82.2235, 93.9497, 82.9077   |
| YIQ         | 244.3610, -3.1150, -15.1390 |

# Conversions

## Conversions Part 2

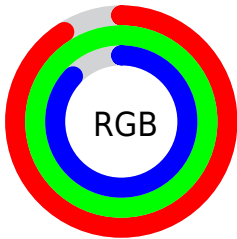
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| R <sub>Y</sub> B                    | 222, 255, 245                   |
| Decimal                             | 15269854                        |
| CIE Lab                             | 97.61, -13.29, 13.25            |
| CIE LCh                             | 98, 18.765, 135.077             |
| Yxy                                 | 93.9497, 0.3174,<br>0.3626      |
| Android<br>(android.graphics.Color) | 4293459934<br>(0xFFE8FFDE)      |
| YUV                                 | 244.3610, -11.0240,<br>-10.8406 |
| Hunter-Lab                          | 96.9277, -18.2023,<br>17.1353   |

# Details

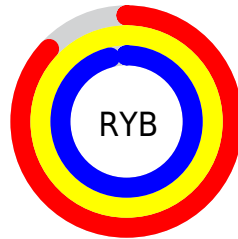
The XYZ color **82.2235, 93.9497, 82.9077** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.8282, 78.8762, 105.5196**, and the grayscale version is **86.3649, 90.8626, 98.9494**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0736, 52.4083, 44.2994** is the 20% darker color. If you saturate the color by 10%, you get **73.5793, 89.8590, 65.9911**, and if you desaturate by 10%, it is **91.9695, 98.5487, 102.5769**.

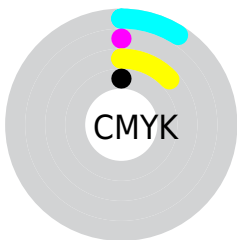
# Distribution



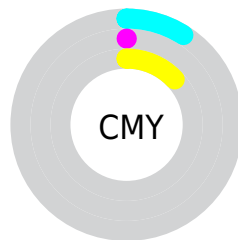
- Red (91%)
- Green (100%)
- Blue (87%)



- 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 82.2235, 93.9497, 82.9077 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 82.2235, 93.9497, 82.9077 by changing the saturation by 10% instead.



82.2235, 93.9497,  
82.9077

82.2235, 93.9497,  
82.9077

491.0182,  
540.7971, 524.6418

61.8645, 71.2611,  
61.5738

135.4216,  
152.8128, 139.2943

45.1784, 52.5553,  
44.2549

168.9914,  
189.7561, 175.1840

31.7999, 37.4479,  
30.5323

207.6955,  
232.2197, 216.7629

21.3635, 25.5545,  
19.9875

251.8992,  
280.5881, 264.4493

13.5039, 16.4906,  
12.2020

301.9680,  
335.2456, 318.6619

7.8558, 9.8720,  
6.7572

358.2672,

4.0539, 5.3142,

396.5767, 379.8191

3.2346

421.1621,  
464.9657, 448.3396

■ 1.7327, 2.4328,  
1.2156

■ 0.4766, 0.8427,  
0.0000

■ 82.2235, 93.9497,  
82.9077

■ 82.2235, 93.9497,  
82.9077

■ 73.5793, 89.8590,  
65.9911

■ 91.9695, 98.5487,  
102.5769

■ 65.9945, 86.2573,  
51.7001

95.0500, 100.0000,  
108.9000

■ 59.4268, 83.1258,  
39.9042

■ 53.8301, 80.4438,  
30.4600

■ 49.1544, 78.1891,  
23.2095

■ 45.3450, 76.3371,  
17.9752

■ 42.3401, 74.8607,  
14.5521

■ 40.0680, 73.7283,  
12.6915

■ 38.8425, 73.1091,  
12.0643

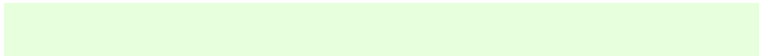
# Harmonies

## Analogous

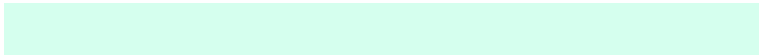
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6528, 93.9497, 76.4532



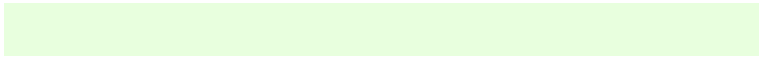
82.2235, 93.9497, 82.9077



79.7401, 93.9497, 94.9095

# Triad

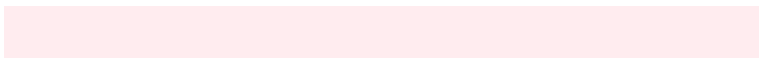
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.2235, 93.9497, 82.9077



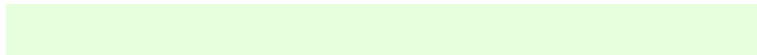
86.6788, 93.9497, 133.4131



99.5795, 93.9497, 94.8373

# Complementary

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



82.2235, 93.9497, 82.9077



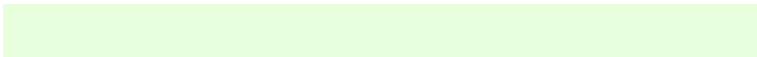
81.8282, 78.8762, 105.5196

# Split Complementary

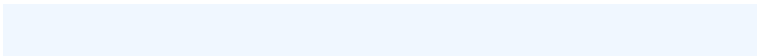
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.5871, 93.9497, 110.0546



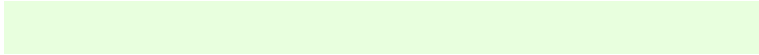
82.2235, 93.9497, 82.9077



91.9932, 93.9497, 133.3888

# Square

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



82.2235, 93.9497, 82.9077



82.2419, 93.9497, 124.5549



96.7636, 93.9497, 124.4916

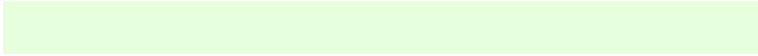


96.7432, 93.9497, 82.8594



# Rectangle

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



82.2235, 93.9497, 82.9077



79.4567, 93.9497, 104.9188



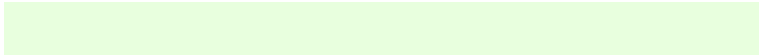
96.7636, 93.9497, 124.4916



99.9165, 93.9497, 99.7158

# Sweetspot

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



82.2242, 93.9500, 82.9091



90.8836, 98.0369, 100.3591



86.9417, 91.5673, 82.2006



19.2895, 20.9069, 21.1481



0.0000, 0.0000, 0.0000

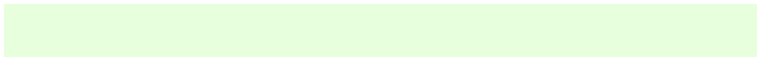


20.3446, 21.4041, 23.3091

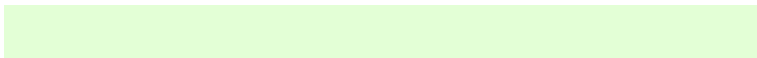


# Same Dimension

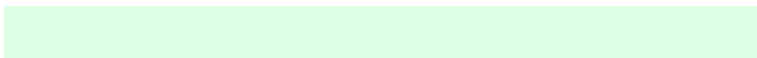
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2242, 93.9500, 82.9091



79.4642, 92.6453, 77.4464



79.8956, 92.6542, 87.1095



18.2891, 20.4349, 19.1247



20.4276, 38.2689, 6.3100



2.0941, 3.7803, 0.6193



# Inverse Universe

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



81.8282, 78.8762, 105.5196



78.9840, 74.4045, 104.8063



84.4529, 80.3401, 100.6380



18.2254, 18.0079, 22.7652



19.1512, 8.7833, 50.1205

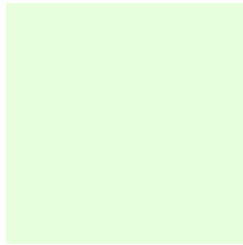


1.9757, 0.9124, 4.8853



# Previews

## White Background



This preview shows how the XYZ color 82.2235, 93.9497, 82.9077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

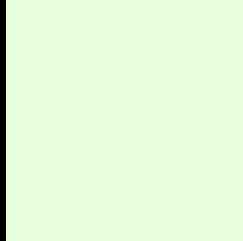
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.2235, 93.9497, 82.9077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

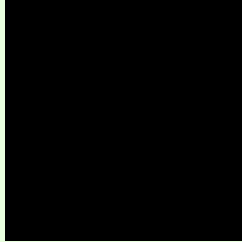
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

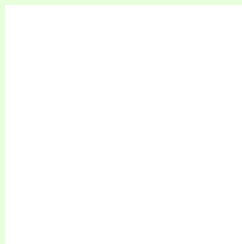
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.2235, 93.9497, 82.9077**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.2235, 93.9497, 82.9077.



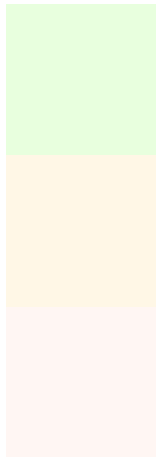
This preview shows how white text looks on a background with the XYZ color 82.2235, 93.9497,

82.9077.

# 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

82.2235, 93.9497, 82.9077

### Protanopia

88.7837, 93.4947, 88.2298

### Deuteranopia

90.3734, 93.6426, 98.1057

## **Tritanopia**

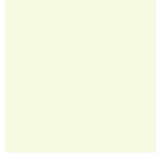
89.2736, 93.7673, 108.0014

# Trichromacy



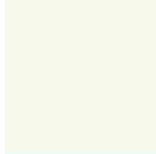
## Original Color

82.2235, 93.9497, 82.9077



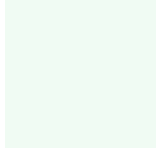
## Protanomaly

86.4085, 93.6914, 86.2031



## Deuteranomaly

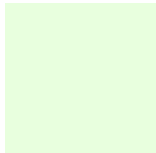
87.2288, 93.5237, 92.0517



## Tritanomaly

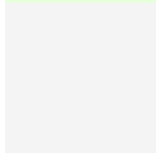
86.6100, 93.9907, 98.3712

# Monochromacy



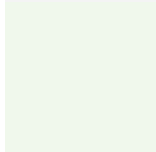
## Original Color

82.2235, 93.9497, 82.9077



## Achromatopsia

85.9880, 90.4661, 98.5176



## Achromatomaly

84.6429, 91.7162, 92.5987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.2235, 93.9497, 82.9077 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(232, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 82.2235, 93.9497, 82.9077 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(232, 255, 222) }
```



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

```
.border{ border-color:rgb(232, 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(232, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.2235, 93.9497, 82.9077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 222) }
```

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

```
.background{ background-color: rgb(232,  
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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