

Converting Colors

XYZ(82.1083, 93.7758, 88.0775)

Have a look what the booklet for
XYZ(82.1083, 93.7758, 88.0775)
contains.

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Color

**XYZ(82.2160, 93.8352,
87.9075)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FFE5
RGB	229, 255, 229
RGB Percent	90%, 100%, 90%
CMY	0.1020, 0.0000, 0.1020
CMYK	0.10, 0.00, 0.10, 0.00
HSL	120°, 100%, 95%
HSV	120°, 10%, 100%
XYZ	82.2160, 93.8352, 87.9075
YIQ	244.2620, -7.1500, -13.5980

Conversions

Conversions Part 2

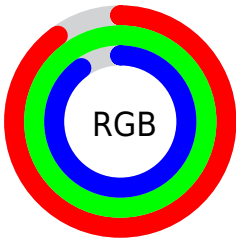
Format	Color
R _Y B	229, 255, 255
Decimal	15073253
CIE Lab	97.57, -13.10, 9.57
CIE LCh	98, 16.226, 143.850
Yxy	93.8352, 0.3115, 0.3555
Android (android.graphics.Color)	4293263333 (0xFFE5FFE5)
YUV	244.2620, -7.5242, -13.3848
Hunter-Lab	96.8686, -18.0203, 14.0028

Details

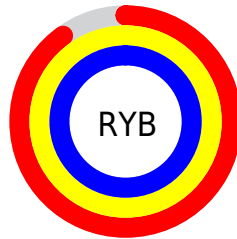
The XYZ color **82.2160, 93.8352, 87.9075** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87.3097, 84.5195, 106.3196**, and the grayscale version is **86.2608, 90.7531, 98.8301**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0676, 52.3284, 47.7695** is the 20% darker color. If you saturate the color by 10%, you get **71.3649, 88.6228, 70.1588**, and if you desaturate by 10%, it is **94.7867, 99.8735, 108.4694**.

Distribution



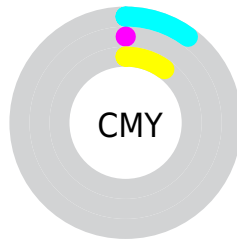
- Red (90%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2160, 93.8352, 87.9075 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 82.2160, 93.8352, 87.9075 by changing the saturation by 10% instead.

82.2160, 93.8352,
87.9075

82.2160, 93.8352,
87.9075

490.9935,
540.4292, 541.5937

61.8583, 71.1659,
65.6826

135.4111,
152.6544, 146.3384

45.1734, 52.4776,
47.5599

168.9792,
189.5731, 183.3814

31.7959, 37.3859,
33.1210

207.6816,
232.0104, 226.2009

21.3604, 25.5064,
21.9473

251.8834,
280.3506, 275.2153

13.5017, 16.4548,
13.6202

301.9502,
334.9782, 330.8433

7.8543, 9.8465,
7.7213

358.2472,

4.0529, 5.2973,

396.2776, 393.5033

3.8319

421.1399,
464.6331, 463.6139

■ 1.7321, 2.4227,
1.5336

■ 0.4762, 0.8376,
0.2428

■ 82.2160, 93.8352,
87.9075

■ 82.2160, 93.8352,
87.9075

■ 71.3649, 88.6228,
70.1588

94.7867, 99.8735,
108.4694

■ 62.1566, 84.1996,
55.0970

95.0500, 100.0000,
108.9000

■ 54.5118, 80.5274,
42.5925

■ 48.3436, 77.5645,
32.5033

■ 43.5569, 75.2652,
24.6736

■ 40.0453, 73.5784,
18.9296

■ 37.6869, 72.4456,
15.0721

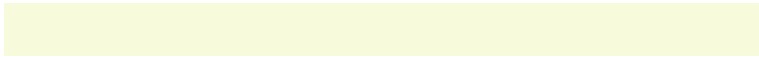
■ 36.3365, 71.7969,
12.8630

■ 35.7600, 71.5200,
11.9201

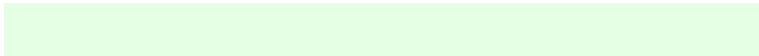
Harmonies

Analogous

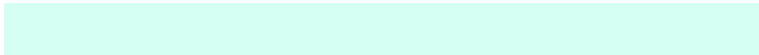
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6493, 93.8352, 80.6556



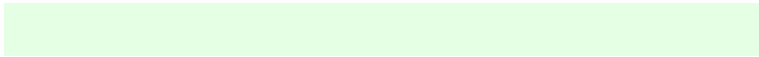
82.2160, 93.8352, 87.9075



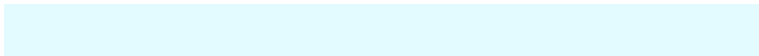
80.6570, 93.8352, 99.4735

Triad

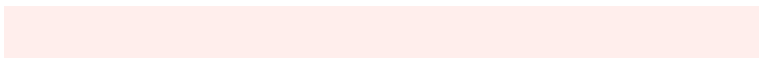
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.2160, 93.8352, 87.9075



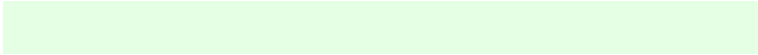
88.2408, 93.8352, 129.5625



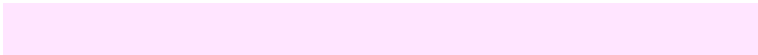
97.5476, 93.8352, 92.2405

Complementary

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



82.2160, 93.8352, 87.9075



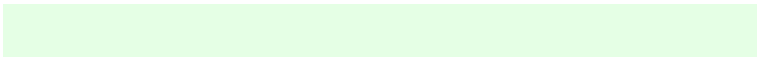
87.3097, 84.5195, 106.3196

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.



98.2993, 93.8352, 104.9160



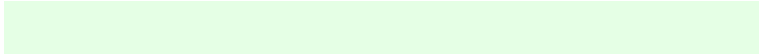
82.2160, 93.8352, 87.9075



92.8220, 93.8352, 127.2070

Square

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



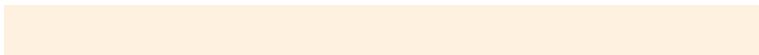
82.2160, 93.8352, 87.9075



84.0573, 93.8352, 124.0837



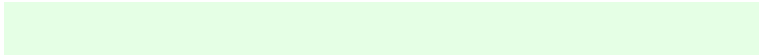
96.5425, 93.8352, 117.8986



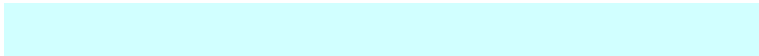
94.5224, 93.8352, 83.0023

Rectangle

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



82.2160, 93.8352, 87.9075



80.8506, 93.8352, 108.3723



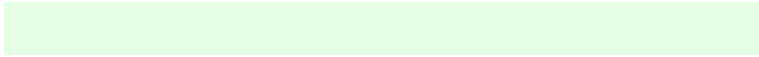
96.5425, 93.8352, 117.8986



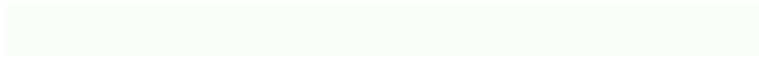
98.0788, 93.8352, 96.2101

Sweetspot

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



82.2167, 93.8355, 87.9089



91.0839, 98.0949, 102.4128



91.1431, 98.4372, 88.3264



19.2746, 20.8901, 21.5589



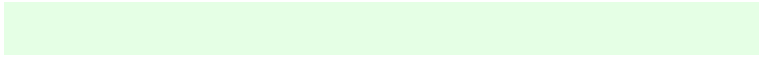
0.0000, 0.0000, 0.0000



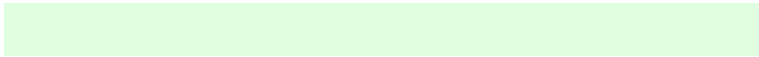
20.3446, 21.4041, 23.3091

Same Dimension

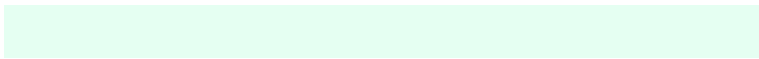
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2167, 93.8355, 87.9089



80.1335, 92.8349, 84.5015



84.1007, 94.5891, 97.8300



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.



87.3097, 84.5195, 106.3196



86.0532, 82.0066, 105.9008



85.2869, 83.7104, 95.6676



18.7928, 18.3004, 22.7917



30.9800, 14.8813, 50.6727



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 82.2160, 93.8352, 87.9075 looks on a white background.

Color Contrast Check

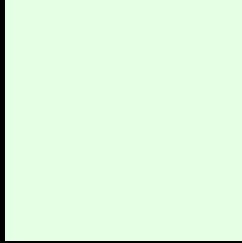
Large Text (above 18pt) WCAG AA × Fail

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 82.2160, 93.8352, 87.9075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

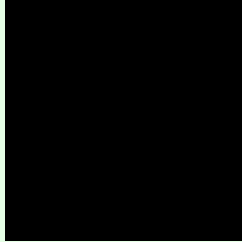
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

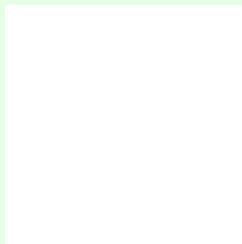
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.2160, 93.8352, 87.9075

Background



This preview shows how black text looks on a background with the XYZ color 82.2160, 93.8352, 87.9075.



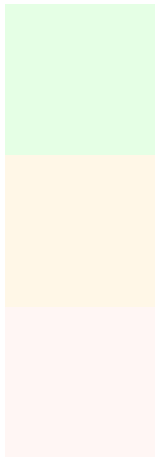
This preview shows how white text looks on a background with the XYZ color 82.2160, 93.8352,

87.9075.

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

82.2160, 93.8352, 87.9075

Protanopia

88.9246, 93.5511, 88.9716

Deuteranopia

90.5249, 93.7032, 98.9033

Tritanopia

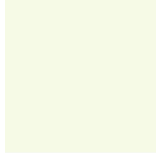
88.9256, 93.5879, 107.9851

Trichromacy



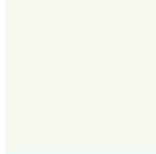
Original Color

82.2160, 93.8352, 87.9075



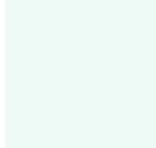
Protanomaly

86.4746, 93.6772, 88.3867



Deuteranomaly

87.4617, 93.5762, 95.1136



Tritanomaly

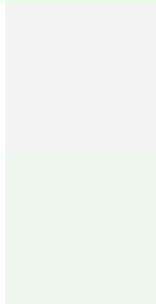
86.7283, 93.9989, 100.7613

Monochromacy



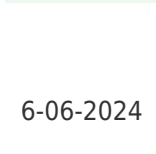
Original Color

82.2160, 93.8352, 87.9075



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.7440, 91.7175, 94.8981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.2160, 93.8352, 87.9075 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(229, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 255, 229) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 82.2160, 93.8352, 87.9075 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(229, 255, 229) }
```


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

```
.border{ border-color:rgb(229, 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(229, 255, 229)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 82.2160, 93.8352, 87.9075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 229) }
```

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

```
.background{ background-color: rgb(229,  
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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