

Converting Colors

XYZ(86.7772, 100.0000,
90.1984)

Have a look what the booklet for
XYZ(86.7772, 100.0000, 90.1984)
contains.

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Color

**XYZ(84.1155, 94.7819,
89.4627)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF FE7
RGB	234, 255, 231
RGB Percent	92%, 100%, 91%
CMY	0.0823, 0.0000, 0.0941
CMYK	0.08, 0.00, 0.09, 0.00
HSL	113°, 100%, 95%
HSV	113°, 9%, 100%
XYZ	84.1155, 94.7819, 89.4627
YIQ	245.9850, -4.8120, -11.9160

Conversions

Conversions Part 2

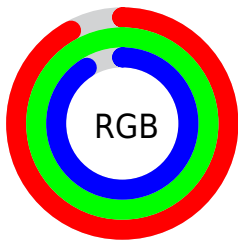
Format	Color
R _Y B	231, 255, 252
Decimal	15400935
CIE _{Lab}	97.95, -11.10, 9.14
CIE _{LCh}	98, 14.378, 140.547
Y _{xy}	94.7819, 0.3134, 0.3532
Android (android.graphics.Color)	4293591015 (0xFFEAF7E7)
Y _{UV}	245.9850, -7.3876, -10.5108
Hunter-Lab	97.3560, -16.1491, 13.6662

Details

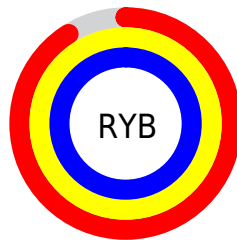
The XYZ color **84.1155, 94.7819, 89.4627** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7715, 85.0684, 106.4542**, and the grayscale version is **87.6454, 92.2098, 100.4165**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2920, 52.9483, 48.3376** is the 20% darker color. If you saturate the color by 10%, you get **73.9020, 89.9029, 71.5338**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

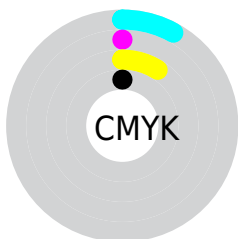
Distribution



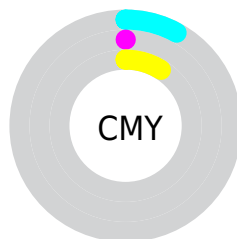
- Red (92%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.1155, 94.7819, 89.4627 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 84.1155, 94.7819, 89.4627 by changing the saturation by 10% instead.

84.1155, 94.7819,
89.4627

84.1155, 94.7819,
89.4627

497.2246,
543.4665, 546.8064

63.4308, 71.9535,
66.9639

138.0572,
153.9633, 148.5208

46.4498, 53.1207,
48.5939

172.0448,
191.0850, 185.9172

32.8070, 37.8991,
33.9341

211.1976,
233.7399, 229.1166

22.1372, 25.9044,
22.5660

255.8808,
282.3124, 278.5374

14.0749, 16.7521,
14.0711

306.4597,
337.1870, 334.5983

8.2548, 10.0579,
8.0308

363.2997,

4.3116, 5.4374,

398.7479, 397.7177

4.0266

426.7662,
467.3796, 468.3142

■ 1.8799, 2.5061,
1.6400

■ 0.5651, 0.8797,
0.3191

■ 84.1155, 94.7819,
89.4627

■ 84.1155, 94.7819,
89.4627

■ 73.9020, 89.9029,
71.5338

95.0500, 100.0000,
108.9000

■ 65.0782, 85.6824,
56.2894

■ 57.5845, 82.0923,
43.6019

■ 51.3558, 79.1022,
33.3311

■ 46.3217, 76.6790,
25.3236

■ 42.4047, 74.7866,
19.4084

■ 39.5178, 73.3843,
15.3902

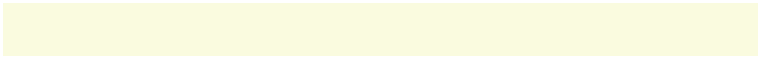
■ 37.5610, 72.4256,
13.0369

■ 36.4015, 71.8497,
11.9930

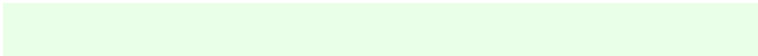
Harmonies

Analogous

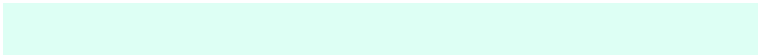
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3390, 94.7819, 83.4055



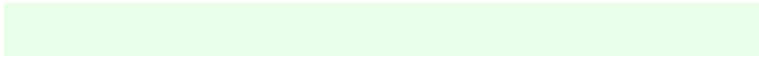
84.1155, 94.7819, 89.4627



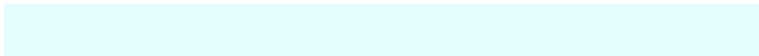
82.5064, 94.7819, 99.5247

Triad

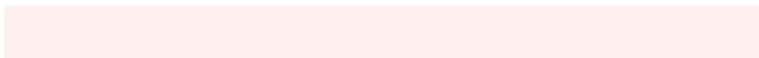
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1155, 94.7819, 89.4627



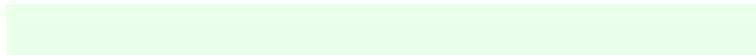
88.7943, 94.7819, 127.2041



97.7005, 94.7819, 95.4513

Complementary

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



84.1155, 94.7819, 89.4627



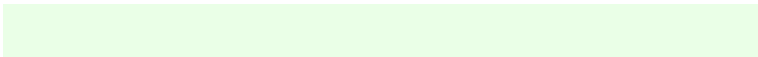
86.7715, 85.0684, 106.4542

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.



98.1190, 94.7819, 106.9675



84.1155, 94.7819, 89.4627



92.8928, 94.7819, 125.9051

Square

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



84.1155, 94.7819, 89.4627



85.1530, 94.7819, 121.7041



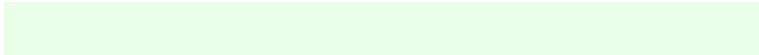
96.3354, 94.7819, 118.2792



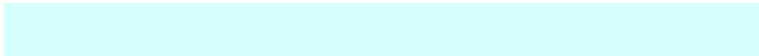
95.2088, 94.7819, 86.6760

Rectangle

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



84.1155, 94.7819, 89.4627



82.5312, 94.7819, 107.4047



96.3354, 94.7819, 118.2792



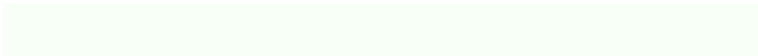
98.0912, 94.7819, 99.1092

Sweetspot

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



84.1163, 94.7823, 89.4642



91.4226, 98.2695, 102.4286



90.4118, 96.5250, 89.4687



19.3655, 20.9370, 21.5631



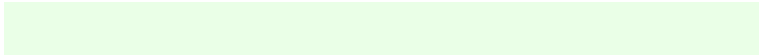
0.0000, 0.0000, 0.0000



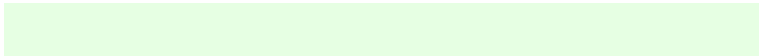
20.3446, 21.4041, 23.3091

Same Dimension

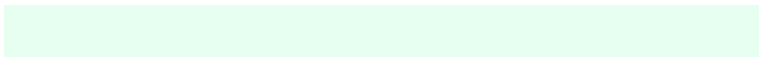
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1163, 94.7823, 89.4642



82.3979, 93.9619, 86.4305



84.4143, 94.7887, 96.1303



17.9825, 20.2769, 19.1104



19.0598, 37.5638, 6.2460



1.9191, 3.6901, 0.6111

Inverse Universe

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



86.7715, 85.0684, 106.4542



85.4672, 82.7319, 106.0720



86.4818, 85.0791, 99.2142



18.5561, 18.1784, 22.7807



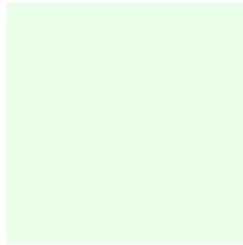
25.4408, 12.0257, 50.4149



2.5370, 1.2018, 4.9115

Previews

White Background



This preview shows how the XYZ color 84.1155, 94.7819, 89.4627 looks on a white background.

Color Contrast Check

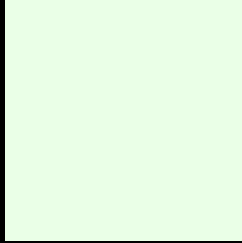
Large Text (above 18pt) WCAG AA × Fail

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 84.1155, 94.7819, 89.4627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

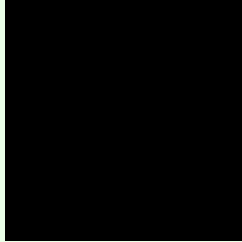
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

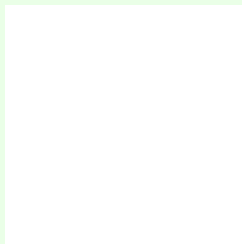
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.1155, 94.7819, 89.4627

Background



This preview shows how black text looks on a background with the XYZ color 84.1155, 94.7819, 89.4627.



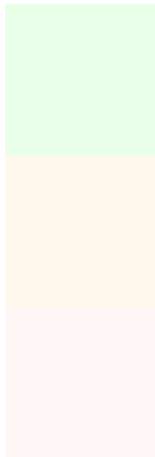
This preview shows how white text looks on a background with the XYZ color 84.1155, 94.7819,

89.4627.

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

84.1155, 94.7819, 89.4627

Protanopia

89.8028, 94.3930, 92.0838

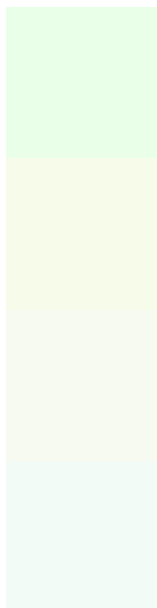
Deuteranopia

91.1353, 94.4353, 100.6133

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

84.1155, 94.7819, 89.4627

Protanomaly

87.7062, 94.7090, 91.5000

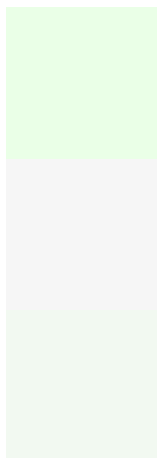
Deuteranomaly

88.4206, 94.4962, 96.7984

Tritanomaly

87.7497, 94.5254, 100.8091

Monochromacy



Original Color

84.1155, 94.7819, 89.4627

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.3708, 92.9795, 96.6137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.1155, 94.7819, 89.4627 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(234, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 231)  
}
```

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(234, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 84.1155, 94.7819, 89.4627 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(234, 255, 231) }
```


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

```
.border{ border-color:rgb(234, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 84.1155, 94.7819, 89.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 231) }
```

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

```
.background{ background-color: rgb(234,  
255, 231) }
```

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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