

Converting Colors

XYZ(86.3790, 100.0000,
90.2543)

Have a look what the booklet for
XYZ(86.3790, 100.0000, 90.2543)
contains.

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Color

**XYZ(83.7881, 94.6132,
89.4474)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFE7
RGB	233, 255, 231
RGB Percent	91%, 100%, 91%
CMY	0.0863, 0.0000, 0.0941
CMYK	0.09, 0.00, 0.09, 0.00
HSL	115°, 100%, 95%
HSV	115°, 9%, 100%
XYZ	83.7881, 94.6132, 89.4474
YIQ	245.6860, -5.4080, -12.1280

Conversions

Conversions Part 2

Format	Color
R_{YB}	231, 255, 253
Decimal	15335399
CIE _{Lab}	97.88, -11.43, 9.03
CIE _{LCh}	98, 14.570, 141.699
Yxy	94.6132, 0.3128, 0.3532
Android (android.graphics.Color)	4293525479 (0xFFE9FFE7)
YUV	245.6860, -7.2402, -11.1256
Hunter-Lab	97.2693, -16.4608, 13.5663

Details

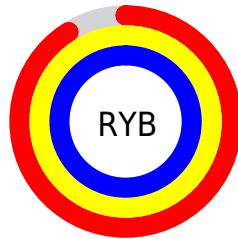
The XYZ color **83.7881, 94.6132, 89.4474** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1346, 85.2557, 106.4712**, and the grayscale version is **87.4030, 91.9547, 100.1387**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0634, 52.8304, 48.3269** is the 20% darker color. If you saturate the color by 10%, you get **73.3122, 89.5989, 71.5062**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



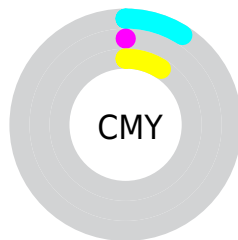
- Red (91%)
- Green (100%)
- Blue (91%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7881, 94.6132, 89.4474 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 83.7881, 94.6132, 89.4474 by changing the saturation by 10% instead.


 83.7881, 94.6132,
89.4474

 83.7881, 94.6132,
89.4474


496.1536,
542.9259, 546.7553

 63.1596, 71.8131,
66.9513


137.6015,
153.7301, 148.4994

 46.2295, 53.0060,
48.5837


171.5172,
190.8157, 185.8923

 32.6323, 37.8076,
33.9261


210.5926,
233.4319, 229.0879

 22.0028, 25.8334,
22.5599

255.1931,
281.9631, 278.5048

 13.9756, 16.6990,
14.0667

305.6841,
336.7937, 334.5614

 8.1853, 10.0201,
8.0278

362.4310,

 4.2665, 5.4123,

398.3081, 397.6763

4.0247

425.7990,
466.8908, 468.2681

■ 1.8540, 2.4912,
1.6389

■ 0.5499, 0.8722,
0.3184

■ 83.7881, 94.6132,
89.4474

■ 83.7881, 94.6132,
89.4474

■ 73.3122, 89.5989,
71.5062

95.0500, 100.0000,
108.9000

■ 64.3091, 85.2859,
56.2534

■ 56.7134, 81.6432,
43.5611

■ 50.4538, 78.6372,
33.2889

■ 45.4525, 76.2309,
25.2829

■ 41.6241, 74.3842,
19.3719

■ 38.8721, 73.0514,
15.3600

■ 37.0845, 72.1800,
13.0146

■ 36.1130, 71.7010,
11.9795

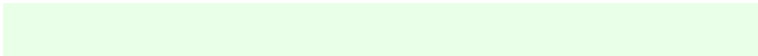
Harmonies

Analogous

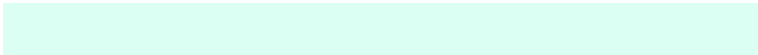
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9987, 94.6132, 83.1447



83.7881, 94.6132, 89.4474



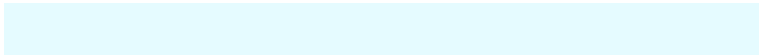
82.2337, 94.6132, 99.7420

Triad

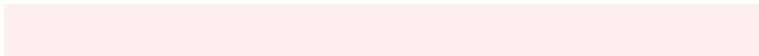
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7881, 94.6132, 89.4474



88.7758, 94.6132, 127.4179



97.5744, 94.6132, 94.7690

Complementary

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



83.7881, 94.6132, 89.4474



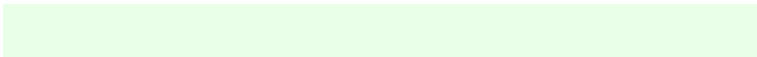
87.1346, 85.2557, 106.4712

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.



98.0858, 94.6132, 106.3643



83.7881, 94.6132, 89.4474



92.9203, 94.6132, 125.8290

Square

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



83.7881, 94.6132, 89.4474



85.0546, 94.6132, 122.0834



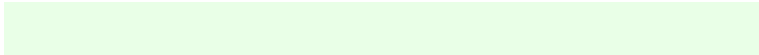
96.3587, 94.6132, 117.8954



94.9820, 94.6132, 86.0481

Rectangle

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



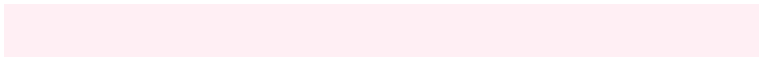
83.7881, 94.6132, 89.4474



82.3114, 94.6132, 107.7382



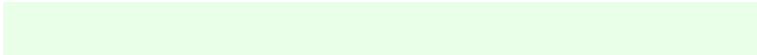
96.3587, 94.6132, 117.8954



97.9985, 94.6132, 98.4371

Sweetspot

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



83.7888, 94.6135, 89.4488



91.3095, 98.2112, 102.4233



90.7894, 97.2803, 89.5946



19.3352, 20.9214, 21.5617



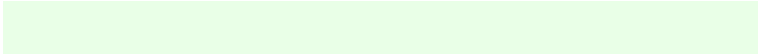
0.0000, 0.0000, 0.0000



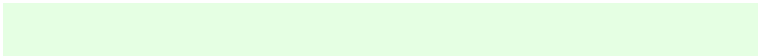
20.3446, 21.4041, 23.3091

Same Dimension

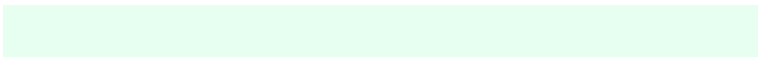
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7888, 94.6135, 89.4488



82.0230, 93.7686, 86.4129



84.5930, 94.8602, 97.0713



17.9118, 20.2404, 19.1071



18.8979, 37.4803, 6.2384



1.8858, 3.6729, 0.6096

Inverse Universe

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



87.1346, 85.2557, 106.4712



85.8908, 82.9502, 106.0918



86.2980, 85.0055, 98.2462



18.6346, 18.2189, 22.7844



27.1815, 12.9231, 50.4964



2.6888, 1.2801, 4.9186

Previews

White Background



This preview shows how the XYZ color 83.7881, 94.6132, 89.4474 looks on a white background.

Color Contrast Check

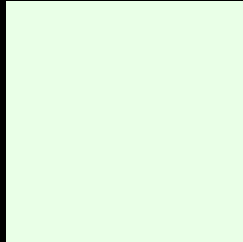
Large Text (above 18pt) WCAG AA × Fail

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 83.7881, 94.6132, 89.4474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

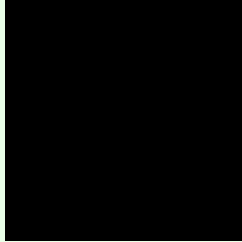
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

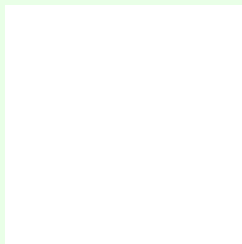
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7881, 94.6132, 89.4474

Background



This preview shows how black text looks on a background with the XYZ color 83.7881, 94.6132, 89.4474.



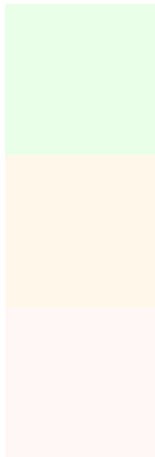
This preview shows how white text looks on a background with the XYZ color 83.7881, 94.6132,

89.4474.

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

83.7881, 94.6132, 89.4474

Protanopia

89.6587, 94.3353, 91.3249

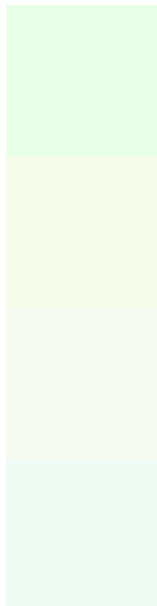
Deuteranopia

91.1353, 94.4353, 100.6133

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

83.7881, 94.6132, 89.4474

Protanomaly

87.5629, 94.6517, 90.7453

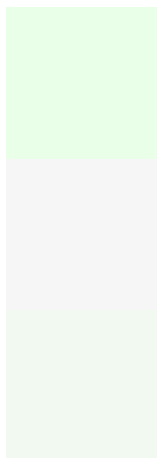
Deuteranomaly

88.4206, 94.4962, 96.7984

Tritanomaly

87.4074, 94.3490, 100.7931

Monochromacy



Original Color

83.7881, 94.6132, 89.4474

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.0285, 92.8030, 96.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7881, 94.6132, 89.4474 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(233, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 83.7881, 94.6132, 89.4474 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(233, 255, 231) }
```


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

```
.border{ border-color:rgb(233, 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(233, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7881, 94.6132, 89.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 231) }
```

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

```
.background{ background-color: rgb(233,  
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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