

Converting Colors

XYZ(85.8903, 100.0000,
88.3746)

Have a look what the booklet for
XYZ(85.8903, 100.0000, 88.3746)
contains.

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Color

**XYZ(83.0423, 94.2772,
87.2193)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFE4
RGB	232, 255, 228
RGB Percent	91%, 100%, 89%
CMY	0.0902, 0.0000, 0.1059
CMYK	0.09, 0.00, 0.11, 0.00
HSL	111°, 100%, 95%
HSV	111°, 11%, 100%
XYZ	83.0423, 94.2772, 87.2193
YIQ	245.0450, -5.0410, -13.2730

Conversions

Conversions Part 2

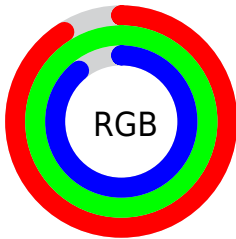
Format	Color
R_{YB}	228, 255, 251
Decimal	15269860
CIE _{Lab}	97.74, -12.28, 10.37
CIE _{LCh}	98, 16.069, 139.828
Yxy	94.2772, 0.3139, 0.3564
Android (android.graphics.Color)	4293459940 (0xFFE8FFE4)
YUV	245.0450, -8.4032, -11.4405
Hunter-Lab	97.0964, -17.2556, 14.7088

Details

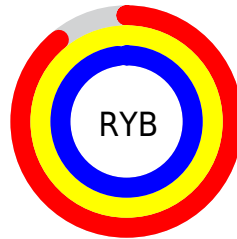
The XYZ color **83.0423, 94.2772, 87.2193** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **85.5777, 83.2172, 106.1598**, and the grayscale version is **86.8951, 91.4205, 99.5569**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6414, 52.6354, 47.2893** is the 20% darker color. If you saturate the color by 10%, you get **73.1381, 89.5507, 69.6194**, and if you desaturate by 10%, it is **94.3418, 99.6627, 107.6128**.

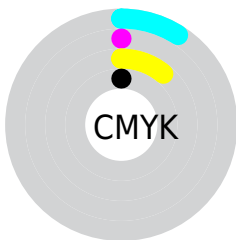
Distribution



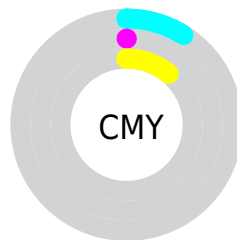
- Red (91%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (98%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0423, 94.2772, 87.2193 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 83.0423, 94.2772, 87.2193 by changing the saturation by 10% instead.


 83.0423, 94.2772,
87.2193

 83.0423, 94.2772,
87.2193


493.7093,
541.8484, 539.2781

 62.5421, 71.5335,
65.1160


136.5629,
153.2657, 145.3713

 45.7281, 52.7777,
47.1032


170.3140,
190.2792, 182.2572

 32.2350, 37.6254,
32.7623


209.2128,
232.8182, 224.9077

 21.6975, 25.6920,
21.6748

253.6246,
281.2670, 273.7413

 13.7502, 16.5934,
13.4221

303.9148,
336.0101, 329.1766

 8.0276, 9.9450,
7.5857

360.4488,

 4.1646, 5.3625,

397.4317, 391.6322

3.7471

423.5918,
465.9164, 461.5265

■ 1.7957, 2.4615,
1.4876

■ 0.5151, 0.8573,
0.2087

■ 83.0423, 94.2772,
87.2193

■ 83.0423, 94.2772,
87.2193

■ 73.1381, 89.5507,
69.6194

94.3418, 99.6627,
107.6128

■ 64.5725, 85.4566,
54.6874

95.0500, 100.0000,
108.9000

■ 57.2882, 81.9682,
42.2944

■ 51.2229, 79.0563,
32.2990

■ 46.3089, 76.6896,
24.5462

■ 42.4719, 74.8334,
18.8628

■ 39.6287, 73.4491,
15.0500

■ 37.6828, 72.4922,
12.8706

■ 36.5511, 71.9278,
11.9570

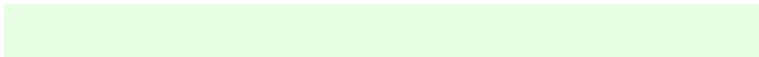
Harmonies

Analogous

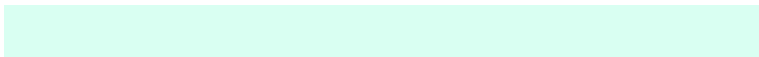
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6521, 94.2772, 80.6968



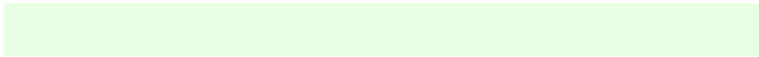
83.0423, 94.2772, 87.2193



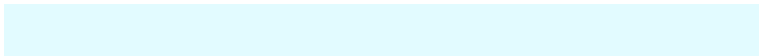
81.2120, 94.2772, 98.2598

Triad

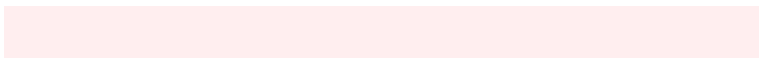
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0423, 94.2772, 87.2193



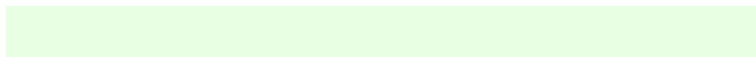
88.0607, 94.2772, 129.5461



98.1544, 94.2772, 94.3281

Complementary

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



83.0423, 94.2772, 87.2193



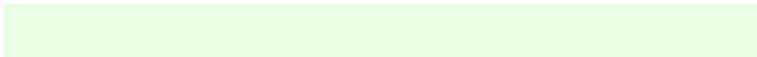
85.5777, 83.2172, 106.1598

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.



98.5629, 94.2772, 107.1728



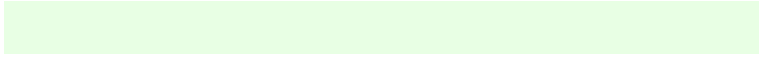
83.0423, 94.2772, 87.2193



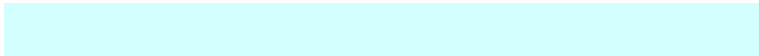
92.6297, 94.2772, 128.2664

Square

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



83.0423, 94.2772, 87.2193



84.0432, 94.2772, 123.1658



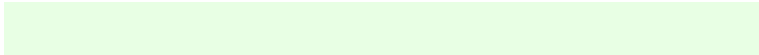
96.5102, 94.2772, 119.8052



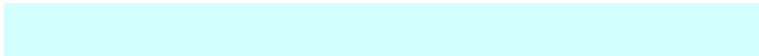
95.4124, 94.2772, 84.5524

Rectangle

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



83.0423, 94.2772, 87.2193



81.2034, 94.2772, 107.0197



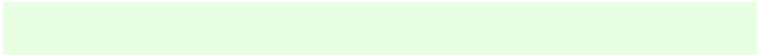
96.5102, 94.2772, 119.8052



98.5726, 94.2772, 98.4045

Sweetspot

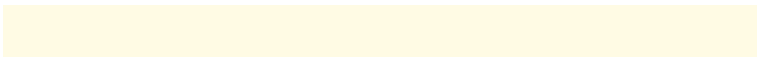
The Sweet Spot groups the original color and five complimentary colors.



83.0431, 94.2776, 87.2208



91.4856, 98.3019, 102.4315



89.7255, 95.8248, 87.1672



19.3825, 20.9457, 21.5639



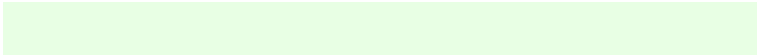
0.0000, 0.0000, 0.0000



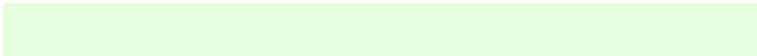
20.3446, 21.4041, 23.3091

Same Dimension

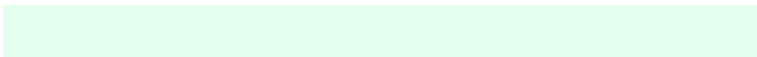
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0431, 94.2776, 87.2208



80.5279, 93.0779, 82.7234



83.1076, 94.1551, 94.2604



18.0219, 20.2972, 19.1122



19.1734, 37.6223, 6.2513



1.9375, 3.6996, 0.6120

Inverse Universe

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



85.5777, 83.2172, 106.1598



83.5877, 79.7234, 105.5903



85.5496, 83.3741, 98.4115



18.5127, 18.1560, 22.7787



24.5189, 11.5504, 50.3718



2.4561, 1.1601, 4.9077

Previews

White Background



This preview shows how the XYZ color 83.0423, 94.2772, 87.2193 looks on a white background.

Color Contrast Check

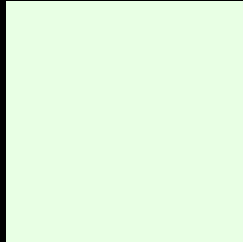
Large Text (above 18pt) WCAG AA × Fail

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 83.0423, 94.2772, 87.2193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

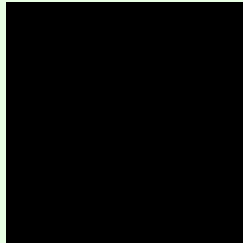
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

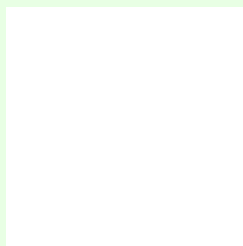
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.0423, 94.2772, 87.2193

Background



This preview shows how black text looks on a background with the XYZ color 83.0423, 94.2772, 87.2193.



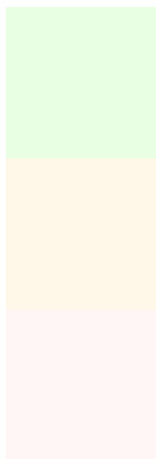
This preview shows how white text looks on a background with the XYZ color 83.0423, 94.2772,

87.2193.

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

83.0423, 94.2772, 87.2193

Protanopia

89.3729, 94.2210, 89.8199

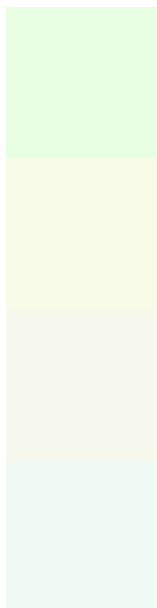
Deuteranopia

90.6772, 93.7641, 99.7053

Tritanopia

89.5819, 94.3838, 108.1042

Trichromacy



Original Color

83.0423, 94.2772, 87.2193

Protanomaly

87.2788, 94.5380, 89.2489

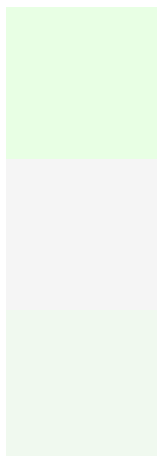
Deuteranomaly

87.8134, 93.7575, 95.1301

Tritanomaly

86.9138, 94.1122, 99.9708

Monochromacy



Original Color

83.0423, 94.2772, 87.2193

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.3908, 92.5086, 95.0167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0423, 94.2772, 87.2193 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 83.0423, 94.2772, 87.2193 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, 228) }
```


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

```
.border{ border-color:rgb(232, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0423, 94.2772, 87.2193 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, 228) }
```

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

```
.background{ background-color: rgb(232,  
255, 228) }
```

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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