

Converting Colors

XYZ(85.6821, 100.0000,
85.4280)

Have a look what the booklet for
XYZ(85.6821, 100.0000, 85.4280)
contains.

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Color

**XYZ(82.8188, 94.2255,
84.3433)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFE0
RGB	233, 255, 224
RGB Percent	91%, 100%, 88%
CMY	0.0863, 0.0000, 0.1216
CMYK	0.09, 0.00, 0.12, 0.00
HSL	103°, 100%, 94%
HSV	103°, 12%, 100%
XYZ	82.8188, 94.2255, 84.3433
YIQ	244.8880, -3.1610, -14.3050

Conversions

Conversions Part 2

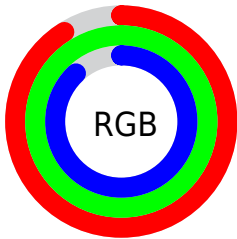
Format	Color
R_{YB}	224, 255, 246
Decimal	15335392
CIE _{Lab}	97.72, -12.62, 12.39
CIE _{LCh}	98, 17.687, 135.513
Yxy	94.2255, 0.3168, 0.3605
Android (android.graphics.Color)	4293525472 (0xFFE9FFE0)
YUV	244.8880, -10.2978, -10.4258
Hunter-Lab	97.0698, -17.5781, 16.4322

Details

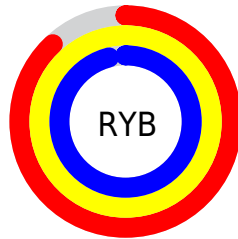
The XYZ color **82.8188, 94.2255, 84.3433** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **82.7125, 80.1253, 105.7141**, and the grayscale version is **86.7824, 91.3019, 99.4278**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4870, 52.5999, 45.2915** is the 20% darker color. If you saturate the color by 10%, you get **74.0073, 90.0530, 67.2115**, and if you desaturate by 10%, it is **92.7563, 98.9184, 104.2379**.

Distribution



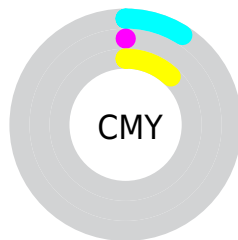
- Red (91%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8188, 94.2255, 84.3433 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 82.8188, 94.2255, 84.3433 by changing the saturation by 10% instead.

82.8188, 94.2255,
84.3433

82.8188, 94.2255,
84.3433

492.9755,
541.6825, 529.5404

62.3571, 71.4905,
62.7519

136.2515,
153.1942, 141.3213

45.5780, 52.7426,
45.2008

169.9532,
190.1967, 177.5450

32.1161, 37.5973,
31.2715

208.7989,
232.7238, 219.4831

21.6062, 25.6703,
20.5455

253.1540,
281.1599, 267.5543

13.6828, 16.5772,
12.6042

303.3839,
335.8894, 322.1771

7.9806, 9.9335,
7.0291

359.8538,

4.1342, 5.3549,

397.2968, 383.7700

3.4016

422.9293,
465.7664, 452.7516

■ 1.7784, 2.4569,
1.3031

■ 0.5046, 0.8550,
0.0644

■ 82.8188, 94.2255,
84.3433

■ 82.8188, 94.2255,
84.3433

■ 74.0073, 90.0530,
67.2115

■ 92.7563, 98.9184,
104.2379

■ 66.2785, 86.3815,
52.7162

95.0500, 100.0000,
108.9000

■ 59.5895, 83.1916,
40.7276

■ 53.8931, 80.4622,
31.1033

■ 49.1387, 78.1704,
23.6864

■ 45.2704, 76.2914,
18.3013

■ 42.2257, 74.7973,
14.7454

■ 39.9322, 73.6563,
12.7743

■ 38.5864, 72.9771,
12.0523

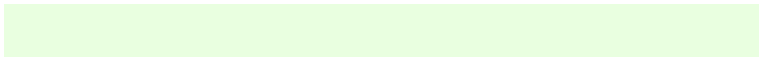
Harmonies

Analogous

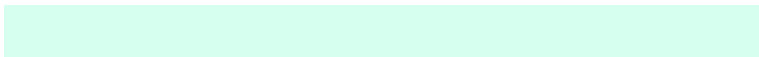
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9906, 94.2255, 78.1003



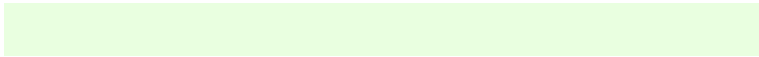
82.8188, 94.2255, 84.3433



80.4962, 94.2255, 95.8053

Triad

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



82.8188, 94.2255, 84.3433



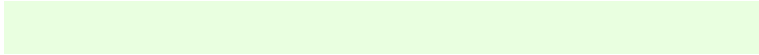
87.1551, 94.2255, 131.8937



99.2286, 94.2255, 95.3475

Complementary

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



82.8188, 94.2255, 84.3433



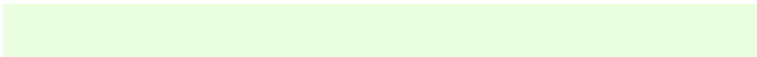
82.7125, 80.1253, 105.7141

Split Complementary

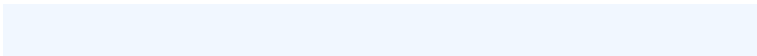
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.2767, 94.2255, 109.6993



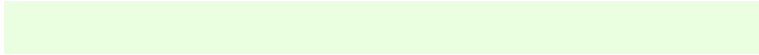
82.8188, 94.2255, 84.3433



92.1765, 94.2255, 131.7417

Square

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



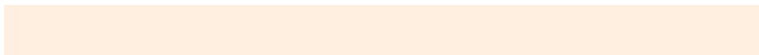
82.8188, 94.2255, 84.3433



82.9353, 94.2255, 123.7051



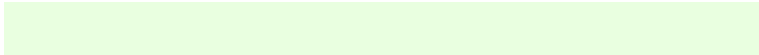
96.6543, 94.2255, 123.3076



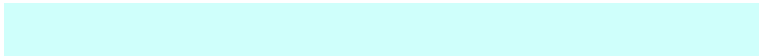
96.5253, 94.2255, 84.0354

Rectangle

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



82.8188, 94.2255, 84.3433



80.2511, 94.2255, 105.2860



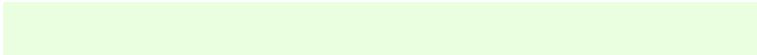
96.6543, 94.2255, 123.3076



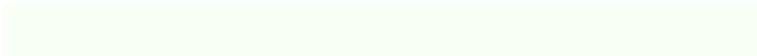
99.5591, 94.2255, 99.9514

Sweetspot

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



82.8195, 94.2258, 84.3447



90.8377, 98.0132, 100.3570



87.5596, 92.3715, 83.7370



19.2779, 20.9009, 21.1476



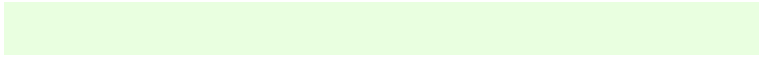
0.0000, 0.0000, 0.0000



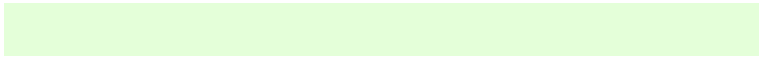
20.3446, 21.4041, 23.3091

Same Dimension

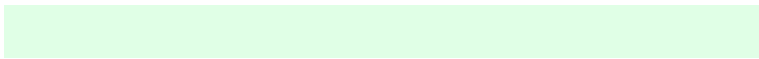
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8195, 94.2258, 84.3447



80.2007, 92.9870, 79.1965



80.8123, 93.0921, 88.7207



18.2669, 20.4235, 19.1237



20.2897, 38.1978, 6.3035



2.0784, 3.7722, 0.6186

Inverse Universe

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



82.7125, 80.1253, 105.7141



80.0704, 75.9313, 105.0438



84.9639, 81.3995, 100.6930



18.2488, 18.0200, 22.7663



19.5406, 8.9840, 50.1388



2.0112, 0.9307, 4.8869

Previews

White Background



This preview shows how the XYZ color 82.8188, 94.2255, 84.3433 looks on a white background.

Color Contrast Check

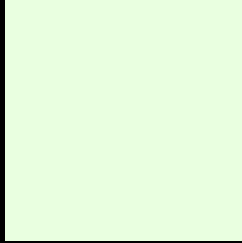
Large Text (above 18pt) WCAG AA × Fail

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 82.8188, 94.2255, 84.3433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

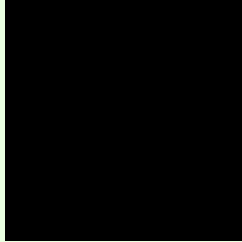
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

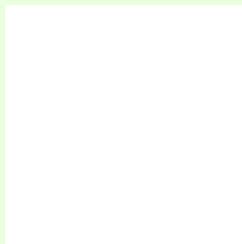
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.8188, 94.2255, 84.3433

Background



This preview shows how black text looks on a background with the XYZ color 82.8188, 94.2255, 84.3433.



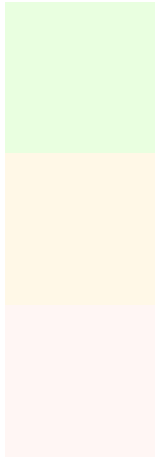
This preview shows how white text looks on a background with the XYZ color 82.8188, 94.2255,

84.3433.

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

82.8188, 94.2255, 84.3433

Protanopia

89.2312, 94.1643, 89.0738

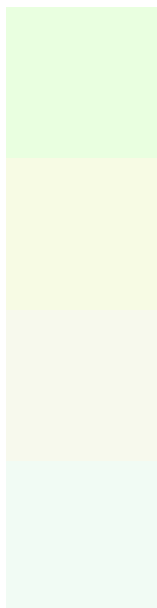
Deuteranopia

90.5249, 93.7032, 98.9033

Tritanopia

89.6234, 93.9476, 108.0178

Trichromacy



Original Color

82.8188, 94.2255, 84.3433

Protanomaly

86.8585, 94.3700, 87.0361

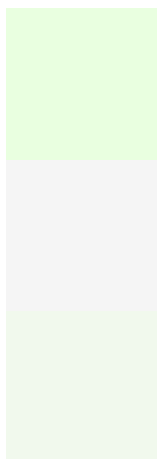
Deuteranomaly

87.5195, 93.6399, 93.5823

Tritanomaly

87.1019, 94.2268, 99.1848

Monochromacy



Original Color

82.8188, 94.2255, 84.3433

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.4374, 92.5666, 93.4849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8188, 94.2255, 84.3433 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 82.8188, 94.2255, 84.3433 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, 224) }
```


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

```
.border{ border-color:rgb(233, 255, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8188, 94.2255, 84.3433 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, 224) }
```

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

```
.background{ background-color: rgb(233,  
255, 224) }
```

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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