

Converting Colors

XYZ(83.9304, 94.8320, 82.8827)

Have a look what the booklet for
XYZ(83.9304, 94.8320, 82.8827)
contains.

XYZ(83.8699, 94.7985, 82.9848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.8699, 94.7985,
82.9848)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFDE
RGB	237, 255, 222
RGB Percent	93%, 100%, 87%
CMY	0.0706, 0.0000, 0.1294
CMYK	0.07, 0.00, 0.13, 0.00
HSL	93°, 100%, 94%
HSV	93°, 13%, 100%
XYZ	83.8699, 94.7985, 82.9848
YIQ	245.8560, -0.1350, -14.0790

Conversions

Conversions Part 2

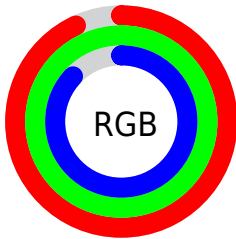
Format	Color
R_{YB}	222, 255, 240
Decimal	15597534
CIE _{Lab}	97.95, -11.60, 13.78
CIE _{LCh}	98, 18.013, 130.080
Yxy	94.7985, 0.3205, 0.3623
Android (android.graphics.Color)	4293787614 (0xFFEDFFDE)
YUV	245.8560, -11.7610, -7.7667
Hunter-Lab	97.3645, -16.6278, 17.6217

Details

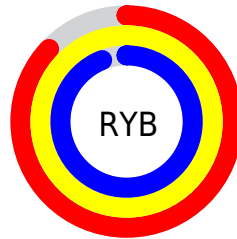
The XYZ color **83.8699, 94.7985, 82.9848** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.1073, 77.9890, 105.4390**, and the grayscale version is **87.5726, 92.1332, 100.3330**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2252, 53.0019, 44.3533** is the 20% darker color. If you saturate the color by 10%, you get **76.2409, 91.2311, 66.1157**, and if you desaturate by 10%, it is **92.3774, 98.7590, 102.5960**.

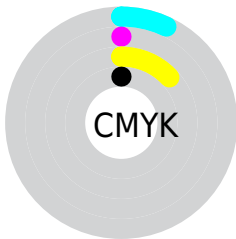
Distribution



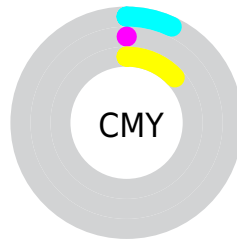
- Red (93%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (94%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8699, 94.7985, 82.9848 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 83.8699, 94.7985, 82.9848 by changing the saturation by 10% instead.


 83.8699, 94.7985,
82.9848

 83.8699, 94.7985,
82.9848


496.4213,
543.5197, 524.9055

 63.2274, 71.9673,
61.6371


137.7154,
153.9862, 139.4032

 46.2845, 53.1319,
44.3056

171.6490,
191.1115, 175.3110

 32.6760, 37.9081,
30.5719


210.7438,
233.7702, 216.9092

 22.0364, 25.9114,
20.0173

255.3650,
282.3468, 264.6164

 14.0004, 16.7574,
12.2235

305.8780,
337.2256, 318.8510

 8.2026, 10.0616,
6.7717

362.6481,

 4.2778, 5.4398,

398.7911, 380.0318

3.2434

426.0408,
467.4277, 448.5771

■ 1.8605, 2.5076,
1.2202

■ 0.5537, 0.8804,
0.0000

■ 83.8699, 94.7985,
82.9848

■ 83.8699, 94.7985,
82.9848

■ 76.2409, 91.2311,
66.1157

■ 92.3774, 98.7590,
102.5960

■ 69.4573, 88.0424,
51.8622

95.0500, 100.0000,
108.9000

■ 63.4863, 85.2185,
40.0942

■ 58.2921, 82.7441,
30.6688

■ 53.8359, 80.6025,
23.4286

■ 50.0746, 78.7754,
18.1965

■ 46.9597, 77.2422,
14.7683

■ 44.4335, 75.9787,
12.8958

■ 42.9505, 75.2268,
12.2565

Harmonies

Analogous

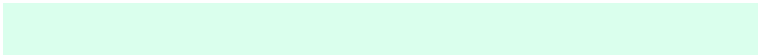
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3791, 94.7985, 77.7143



83.8699, 94.7985, 82.9848



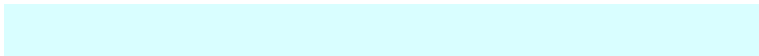
81.1007, 94.7985, 93.8457

Triad

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



83.8699, 94.7985, 82.9848



86.7677, 94.7985, 132.2786



100.2200, 94.7985, 98.3295

Complementary

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



83.8699, 94.7985, 82.9848



80.1073, 77.9890, 105.4390

Split Complementary

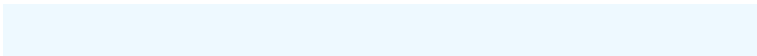
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.7483, 94.7985, 113.1975



83.8699, 94.7985, 82.9848



91.8494, 94.7985, 133.7711

Square

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



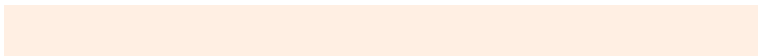
83.8699, 94.7985, 82.9848



82.7290, 94.7985, 122.5995



96.6378, 94.7985, 126.5019



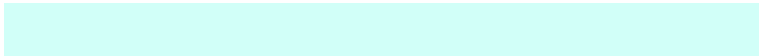
97.9030, 94.7985, 85.9976

Rectangle

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



83.8699, 94.7985, 82.9848



80.5490, 94.7985, 103.2593



96.6378, 94.7985, 126.5019



100.3843, 94.7985, 103.1796

Sweetspot

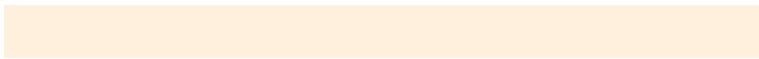
The Sweet Spot groups the original color and five complimentary colors.



83.8706, 94.7988, 82.9862



91.4336, 98.3204, 100.3849



85.4678, 88.6195, 81.7093



19.4284, 20.9785, 21.1547



0.0000, 0.0000, 0.0000



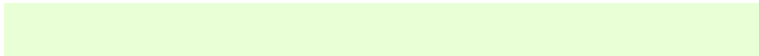
20.3446, 21.4041, 23.3091

Same Dimension

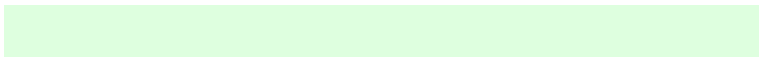
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8706, 94.7988, 82.9862



81.4444, 93.6661, 77.5391



79.2179, 92.3831, 83.5406



18.5559, 20.5725, 19.1372



22.6096, 39.3937, 6.4121



2.3254, 3.8995, 0.6301

Inverse Universe

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



80.1073, 77.9890, 105.4390



76.8904, 73.3252, 104.7084



85.2352, 80.6530, 104.7573



17.9500, 17.8659, 22.7524



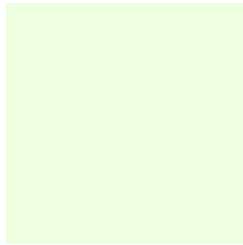
15.1774, 6.7347, 49.9346



1.6038, 0.7207, 4.8679

Previews

White Background



This preview shows how the XYZ color 83.8699, 94.7985, 82.9848 looks on a white background.

Color Contrast Check

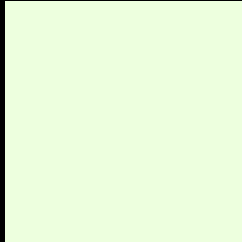
Large Text (above 18pt) WCAG AA × Fail

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 83.8699, 94.7985, 82.9848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

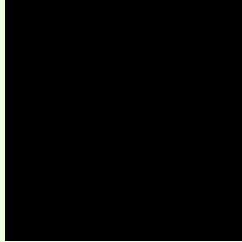
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

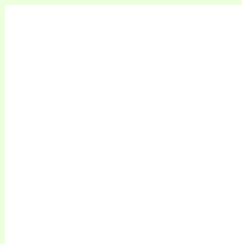
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.8699, 94.7985, 82.9848

Background



This preview shows how black text looks on a background with the XYZ color 83.8699, 94.7985, 82.9848.



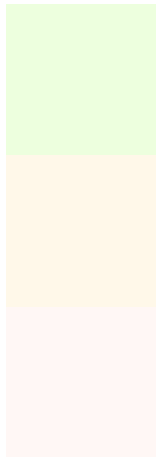
This preview shows how white text looks on a background with the XYZ color 83.8699, 94.7985,

82.9848.

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

83.8699, 94.7985, 82.9848

Protanopia

89.5154, 94.2780, 90.5703

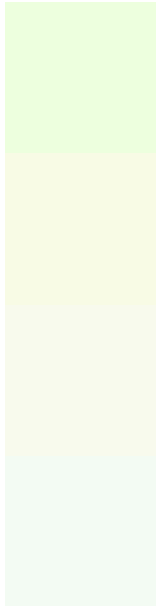
Deuteranopia

90.9822, 94.3741, 99.8069

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

83.8699, 94.7985, 82.9848

Protanomaly

87.3514, 94.6080, 87.7860

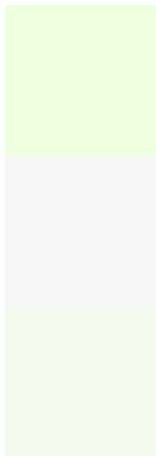
Deuteranomaly

88.1831, 94.4421, 93.7022

Tritanomaly

87.6370, 94.5201, 98.4193

Monochromacy



Original Color

83.8699, 94.7985, 82.9848

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.1239, 92.9205, 93.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8699, 94.7985, 82.9848 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(237, 255, 222) looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 222)  
}
```

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(237, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 83.8699, 94.7985, 82.9848 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(237, 255, 222) }
```


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

```
.border{ border-color:rgb(237, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8699, 94.7985, 82.9848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 222) }
```

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

```
.background{ background-color: rgb(237,  
255, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor