

Converting Colors

XYZ(83.4913, 94.1004, 84.2876)

Have a look what the booklet for
XYZ(83.4913, 94.1004, 84.2876)
contains.

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Color

**XYZ(83.4884, 94.0983,
84.2835)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFEE0
RGB	236, 254, 224
RGB Percent	93%, 100%, 88%
CMY	0.0745, 0.0039, 0.1216
CMYK	0.07, 0.00, 0.12, 0.00
HSL	96°, 94%, 94%
HSV	96°, 12%, 100%
XYZ	83.4884, 94.0983, 84.2835
YIQ	245.1980, -1.0980, -13.1460

Conversions

Conversions Part 2

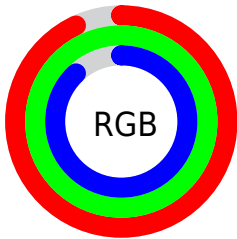
Format	Color
RYB	224, 254, 242
Decimal	15531744
CIELab	97.67, -11.11, 12.35
CIELCh	98, 16.614, 131.985
Yxy	94.0983, 0.3188, 0.3593
Android (android.graphics.Color)	4293721824 (0xFFE0FEE0)
YUV	245.1980, -10.4506, -8.0666
Hunter-Lab	97.0043, -16.1284, 16.3881

Details

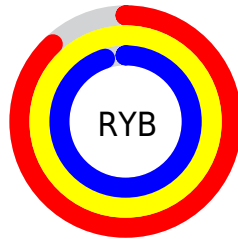
The XYZ color **83.4884, 94.0983, 84.2835** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.1668, 79.3469, 104.8084**, and the grayscale version is **87.0347, 91.5673, 99.7168**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9501, 52.5004, 45.2479** is the 20% darker color. If you saturate the color by 10%, you get **75.4517, 90.3267, 67.2486**, and if you desaturate by 10%, it is **92.4769, 98.3066, 104.0531**.

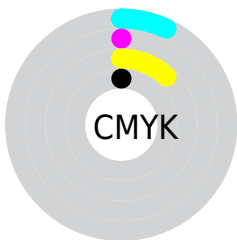
Distribution



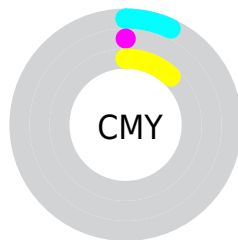
- Red (93%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4884, 94.0983, 84.2835 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 83.4884, 94.0983, 84.2835 by changing the saturation by 10% instead.


 83.4884, 94.0983,
84.2835

 83.4884, 94.0983,
84.2835


495.1721,
541.2742, 529.3368

 62.9114, 71.3847,
62.7028


137.1843,
153.0183, 141.2369

 46.0279, 52.6562,
45.1614


171.0339,
189.9935, 177.4467

 32.4726, 37.5284,
31.2407

210.0384,
232.4913, 219.3700

 21.8800, 25.6169,
20.5222

254.5632,
280.8962, 267.4252

 13.8849, 16.5372,
12.5874

304.9736,
335.5926, 322.0310

 8.1218, 9.9051,
7.0176

361.6350,

 4.2254, 5.3361,

396.9648, 383.6058

3.3945

424.9127,
465.3972, 452.5682

■ 1.8305, 2.4458,
1.2994

■ 0.5359, 0.8493,
0.0613

■ 83.4884, 94.0983,
84.2835

■ 83.4884, 94.0983,
84.2835

■ 75.4517, 90.3267,
67.2486

■ 92.4769, 98.3066,
104.0531

■ 68.3255, 86.9650,
52.8219

94.7337, 99.3674,
108.7946

■ 62.0769, 84.0016,
40.8763

■ 56.6677, 81.4201,
31.2714

■ 52.0564, 79.2023,
23.8529

■ 48.1977, 77.3287,
18.4481

■ 45.0403, 75.7772,
14.8579

■ 42.5247, 74.5223,
12.8426

■ 40.8759, 73.6878,
12.0688

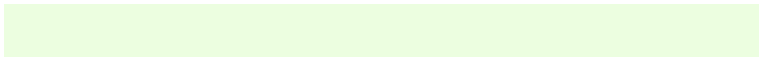
Harmonies

Analogous

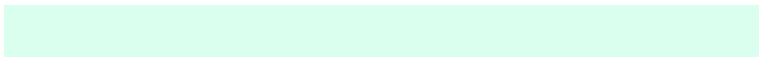
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5615, 94.0983, 79.0235



83.4884, 94.0983, 84.2835



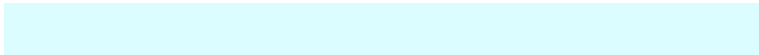
81.0614, 94.0983, 94.6082

Triad

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



83.4884, 94.0983, 84.2835



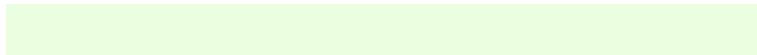
86.6533, 94.0983, 129.2878



98.6360, 94.0983, 97.1407

Complementary

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



83.4884, 94.0983, 84.2835



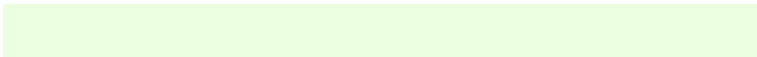
81.1668, 79.3469, 104.8084

Split Complementary

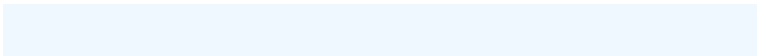
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.3719, 94.0983, 110.7284



83.4884, 94.0983, 84.2835



91.3403, 94.0983, 130.1179

Square

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



83.4884, 94.0983, 84.2835



82.8438, 94.0983, 120.8947



95.6629, 94.0983, 123.0715



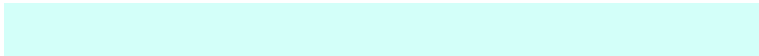
96.3724, 94.0983, 85.9963

Rectangle

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



83.4884, 94.0983, 84.2835



80.6495, 94.0983, 103.3625



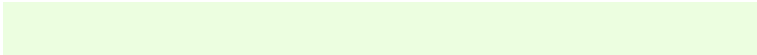
95.6629, 94.0983, 123.0715



98.8421, 94.0983, 101.5569

Sweetspot

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



83.4910, 94.1024, 84.2855



91.2348, 98.2179, 100.3756



86.0834, 89.9607, 83.3495



19.3782, 20.9526, 21.1523



0.0000, 0.0000, 0.0000



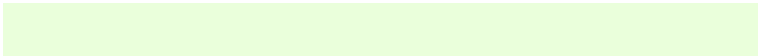
20.3446, 21.4041, 23.3091

Same Dimension

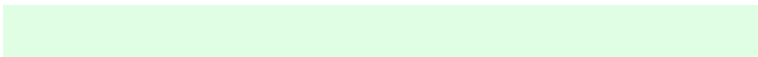
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4910, 94.1024, 84.2855



82.3787, 94.0712, 81.0408



80.0502, 92.2812, 86.2677



18.4591, 20.5226, 19.1327



21.7045, 38.9272, 6.3698



2.2325, 3.8517, 0.6258

Inverse Universe

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



81.1668, 79.3469, 104.8084



79.6409, 76.6917, 105.2132



84.9449, 81.3497, 102.4963



18.0486, 17.9168, 22.7570



16.4709, 7.4015, 49.9951



1.7271, 0.7843, 4.8736

Previews

White Background



This preview shows how the XYZ color 83.4884, 94.0983, 84.2835 looks on a white background.

Color Contrast Check

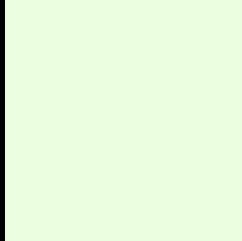
Large Text (above 18pt) WCAG AA × Fail

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 83.4884, 94.0983, 84.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

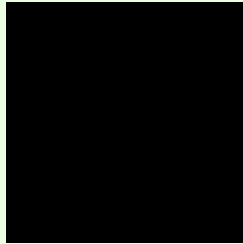
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

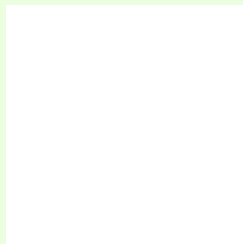
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.4884, 94.0983, 84.2835

Background



This preview shows how black text looks on a background with the XYZ color 83.4884, 94.0983, 84.2835.



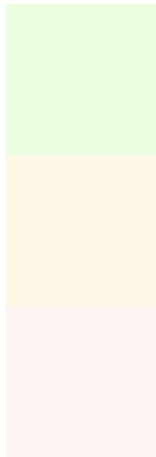
This preview shows how white text looks on a background with the XYZ color 83.4884, 94.0983,

84.2835.

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

83.4884, 94.0983, 84.2835

Protanopia

89.2312, 94.1643, 89.0738

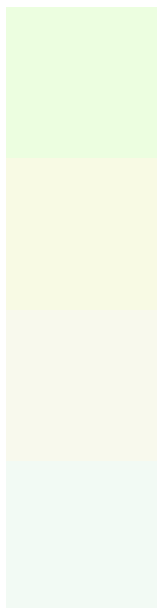
Deuteranopia

90.5249, 93.7032, 98.9033

Tritanopia

89.6234, 93.9476, 108.0178

Trichromacy



Original Color

83.4884, 94.0983, 84.2835

Protanomaly

86.9006, 93.9291, 86.9488

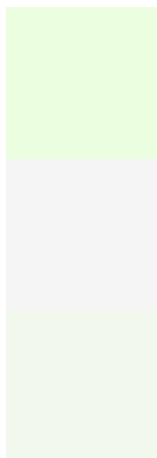
Deuteranomaly

87.8731, 93.8222, 93.5989

Tritanomaly

87.1327, 93.7801, 99.0969

Monochromacy



Original Color

83.4884, 94.0983, 84.2835

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.4714, 92.1265, 93.3981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4884, 94.0983, 84.2835 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(236, 254, 224)` looks like.

```
.text, #text, p{  
    color:rgb(236, 254, 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(236, 254, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 254, 224) }
```

Border

The CSS property to change the border of an element to XYZ 83.4884, 94.0983, 84.2835 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(236, 254, 224) }
```


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

```
.border{ border-color:rgb(236, 254, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 254, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 254, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 254, 224);  
box-shadow:4px 4px 4px 4px rgb(236, 254,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4884, 94.0983, 84.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 254, 224) }
```

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

```
.background{ background-color: rgb(236,  
254, 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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