

Converting Colors

XYZ(86.9892, 100.0000,
91.9192)

Have a look what the booklet for
XYZ(86.9892, 100.0000, 91.9192)
contains.

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Color

**XYZ(84.3997, 94.8956,
90.9591)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF FE9
RGB	234, 255, 233
RGB Percent	92%, 100%, 91%
CMY	0.0823, 0.0000, 0.0863
CMYK	0.08, 0.00, 0.09, 0.00
HSL	117°, 100%, 96%
HSV	117°, 9%, 100%
XYZ	84.3997, 94.8956, 90.9591
YIQ	246.2130, -5.4540, -11.2940

Conversions

Conversions Part 2

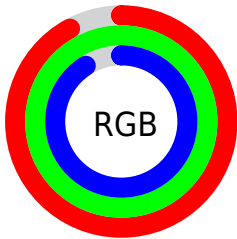
Format	Color
R_{YB}	233, 255, 254
Decimal	15400937
CIE _{Lab}	97.99, -10.76, 8.18
CIE _{LCh}	98, 13.512, 142.765
Yxy	94.8956, 0.3123, 0.3511
Android (android.graphics.Color)	4293591017 (0xFFEAF _{FE} 9)
YUV	246.2130, -6.5140, -10.7108
Hunter-Lab	97.4144, -15.8230, 12.8290

Details

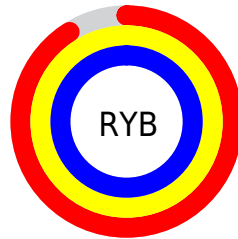
The XYZ color **84.3997, 94.8956, 90.9591** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0625, 86.5697, 106.6760**, and the grayscale version is **87.8235, 92.3971, 100.6205**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4900, 53.0275, 49.3800** is the 20% darker color. If you saturate the color by 10%, you get **73.5658, 89.7015, 72.7905**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

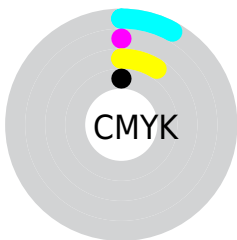
Distribution



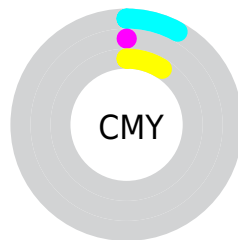
- Red (92%)
- Green (100%)
- Blue (91%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.3997, 94.8956, 90.9591 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 84.3997, 94.8956, 90.9591 by changing the saturation by 10% instead.


 84.3997, 94.8956,
90.9591

 84.3997, 94.8956,
90.9591

498.1532,
543.8307, 551.7963

 63.6663, 72.0481,
68.1982

138.4525,
154.1204, 150.6170

 46.6411, 53.1980,
49.5913


172.5027,
191.2664, 188.3512

 32.9588, 37.9608,
34.7199


211.7225,
233.9474, 231.9135

 22.2540, 25.9523,
23.1653

256.4772,
282.5478, 281.7225

 14.1613, 16.7879,
14.5092

307.1323,
337.4519, 338.1967

 8.3154, 10.0834,
8.3329

364.0531,

 4.3509, 5.4543,

399.0441, 401.7547

4.2179

427.6050,
467.7090, 472.8151

■ 1.9025, 2.5162,
1.7456

■ 0.5783, 0.8847,
0.3917

■ 84.3997, 94.8956,
90.9591

■ 84.3997, 94.8956,
90.9591

■ 73.5658, 89.7015,
72.7905

95.0500, 100.0000,
108.9000

■ 64.2885, 85.2516,
57.3238

■ 56.4970, 81.5122,
44.4315

■ 50.1141, 78.4466,
33.9738

■ 45.0556, 76.0145,
25.7978

■ 41.2284, 74.1718,
19.7334

■ 38.5271, 72.8682,
15.5865

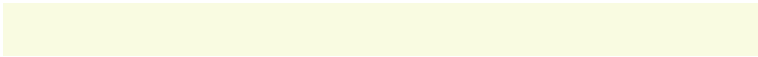
■ 36.8289, 72.0454,
13.1276

■ 35.9751, 71.6287,
12.0302

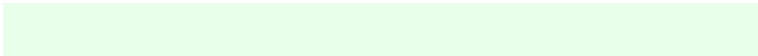
Harmonies

Analogous

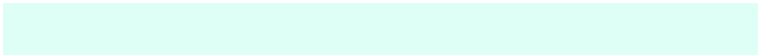
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3465, 94.8956, 84.8935



84.3997, 94.8956, 90.9591



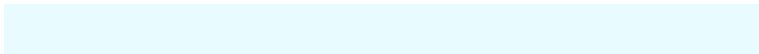
83.0129, 94.8956, 100.6645

Triad

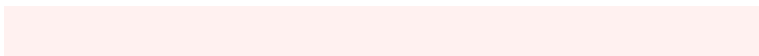
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3997, 94.8956, 90.9591



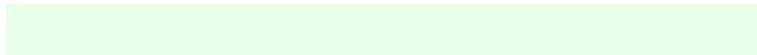
89.2616, 94.8956, 125.9416



97.2325, 94.8956, 95.2960

Complementary

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



84.3997, 94.8956, 90.9591



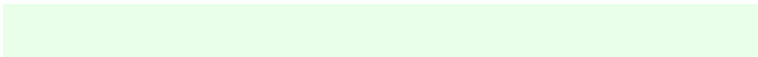
88.0625, 86.5697, 106.6760

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.



97.7807, 94.8956, 106.0323



84.3997, 94.8956, 90.9591



93.1056, 94.8956, 124.2484

Square

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



84.3997, 94.8956, 90.9591



85.7673, 94.8956, 121.2382



96.2506, 94.8956, 116.7641



94.7733, 94.8956, 87.2697

Rectangle

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



84.3997, 94.8956, 90.9591



83.1310, 94.8956, 108.1060



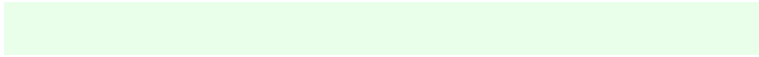
96.2506, 94.8956, 116.7641



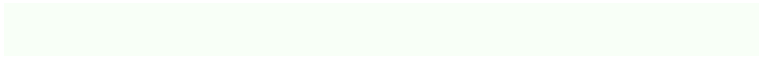
97.6492, 94.8956, 98.6874

Sweetspot

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



84.4005, 94.8960, 90.9606



91.2069, 98.1583, 102.4185



91.3584, 97.9635, 91.1859



19.3076, 20.9071, 21.5604



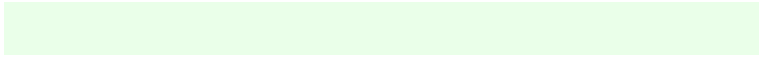
0.0000, 0.0000, 0.0000



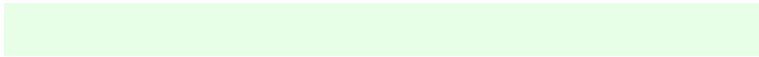
20.3446, 21.4041, 23.3091

Same Dimension

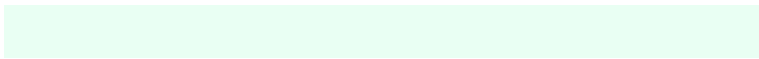
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4005, 94.8960, 90.9606



82.8178, 94.1374, 88.3007



85.5276, 95.3090, 98.6044



17.8479, 20.2075, 19.1041



18.7942, 37.4268, 6.2335



1.8556, 3.6574, 0.6081

Inverse Universe

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



88.0625, 86.5697, 106.6760



87.0227, 84.5766, 106.3461



86.8763, 86.1376, 98.5143



18.7063, 18.2558, 22.7877



28.8548, 13.7857, 50.5747



2.8337, 1.3547, 4.9254

Previews

White Background



This preview shows how the XYZ color 84.3997, 94.8956, 90.9591 looks on a white background.

Color Contrast Check

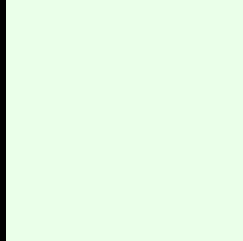
Large Text (above 18pt) WCAG AA × Fail

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 84.3997, 94.8956, 90.9591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

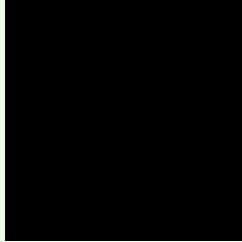
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

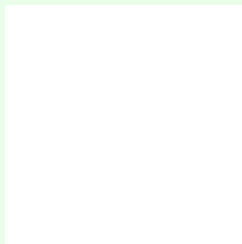
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.3997, 94.8956, 90.9591

Background



This preview shows how black text looks on a background with the XYZ color 84.3997, 94.8956, 90.9591.



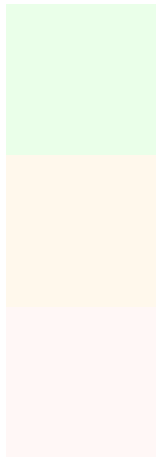
This preview shows how white text looks on a background with the XYZ color 84.3997, 94.8956,

90.9591.

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

84.3997, 94.8956, 90.9591

Protanopia

89.9477, 94.4509, 92.8470

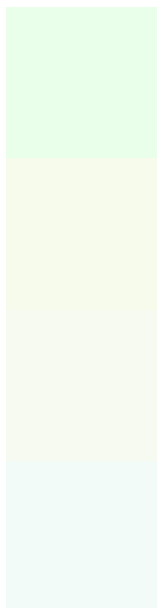
Deuteranopia

91.1353, 94.4353, 100.6133

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

84.3997, 94.8956, 90.9591

Protanomaly

87.8503, 94.7667, 92.2589

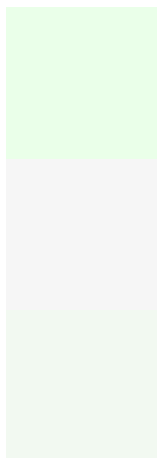
Deuteranomaly

88.4206, 94.4962, 96.7984

Tritanomaly

87.9036, 94.5870, 101.6198

Monochromacy



Original Color

84.3997, 94.8956, 90.9591

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.3708, 92.9795, 96.6137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3997, 94.8956, 90.9591 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(234, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 233)  
}
```

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(234, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 84.3997, 94.8956, 90.9591 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(234, 255, 233) }
```


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

```
.border{ border-color:rgb(234, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3997, 94.8956, 90.9591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 233) }
```

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

```
.background{ background-color: rgb(234,  
255, 233) }
```

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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