

Converting Colors

XYZ(83.9553, 92.6551, 86.6917)

Have a look what the booklet for
XYZ(83.9553, 92.6551, 86.6917)
contains.

XYZ(84.0974, 92.9465, 86.9069)	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(84.0974, 92.9465,
86.9069)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFBE4
RGB	239, 251, 228
RGB Percent	94%, 98%, 89%
CMY	0.0627, 0.0157, 0.1059
CMYK	0.05, 0.00, 0.09, 0.02
HSL	91°, 74%, 94%
HSV	91°, 9%, 98%
XYZ	84.0974, 92.9465, 86.9069
YIQ	244.7900, 0.2310, -9.6970

Conversions

Conversions Part 2

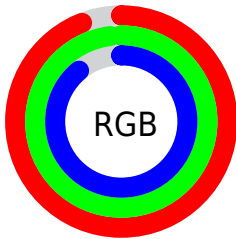
Format	Color
R_{YB}	228, 251, 240
Decimal	15727588
CIE _{Lab}	97.21, -7.95, 9.66
CIE _{LCh}	97, 12.508, 129.434
Yxy	92.9465, 0.3186, 0.3521
Android (android.graphics.Color)	4293917668 (0xFFE _{FF} BE4)
YUV	244.7900, -8.2775, -5.0778
Hunter-Lab	96.4088, -13.0097, 14.0396

Details

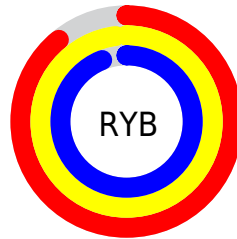
The XYZ color **84.0974, 92.9465, 86.9069** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.0948, 80.9797, 102.6281**, and the grayscale version is **86.6888, 91.2034, 99.3205**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3631, 51.6680, 47.0645** is the 20% darker color. If you saturate the color by 10%, you get **76.6003, 89.4581, 69.6682**, and if you desaturate by 10%, it is **92.4261, 96.8105, 106.8291**.

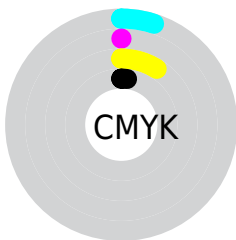
Distribution



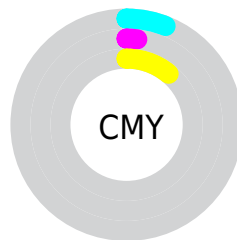
- Red (94%)
- Green (98%)
- Blue (89%)



- Red (89%)
- Yellow (98%)
- Blue (94%)



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)



- Cyan (6%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.0974, 92.9465, 86.9069 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 84.0974, 92.9465, 86.9069 by changing the saturation by 10% instead.

84.0974, 92.9465,
86.9069

84.0974, 92.9465,
86.9069

497.1654,
537.5698, 538.2252

63.4158, 70.4270,
64.8590

138.0320,
151.4245, 144.9321

46.4376, 51.8748,
46.8961

172.0157,
188.1519, 181.7464

32.7974, 36.9053,
32.5998

211.1642,
230.3840, 224.3200

22.1297, 25.1341,
21.5514

255.8428,
278.5053, 273.0714

14.0694, 16.1770,
13.3325

306.4168,
332.9001, 328.4190

8.2510, 9.6495,
7.5245

363.2517,

4.3091, 5.1672,

393.9529, 390.7815

3.7089

426.7128,
462.0480, 460.5774

■ 1.8785, 2.3457,
1.4670

■ 0.5643, 0.7977,
0.1932

■ 84.0974, 92.9465,
86.9069

■ 84.0974, 92.9465,
86.9069

■ 76.6003, 89.4581,
69.6682

■ 92.4261, 96.8105,
106.8291

■ 69.8987, 86.3212,
54.9923

■ 93.7890, 97.4780,
108.4797

■ 63.9649, 83.5269,
42.7583

■ 58.7665, 81.0613,
32.8333

■ 54.2684, 78.9096,
25.0714

■ 50.4320, 77.0554,
19.3103

■ 47.2141, 75.4805,
15.3649

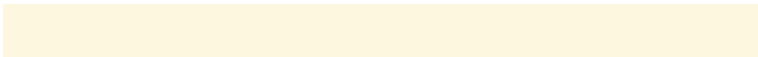
■ 44.5646, 74.1639,
13.0152

■ 42.4117, 73.0758,
11.9299

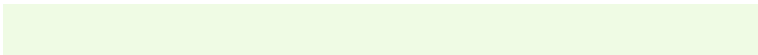
Harmonies

Analogous

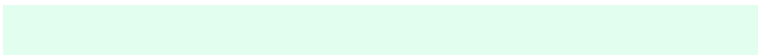
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2339, 92.9465, 83.1971



84.0974, 92.9465, 86.9069



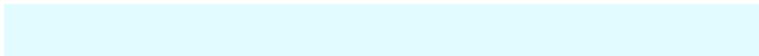
82.1335, 92.9465, 94.5208

Triad

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



84.0974, 92.9465, 86.9069



85.9778, 92.9465, 120.5347



95.2156, 92.9465, 98.0471

Complementary

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



84.0974, 92.9465, 86.9069



81.0948, 80.9797, 102.6281

Split Complementary

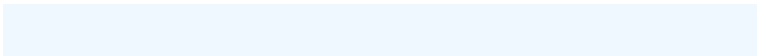
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.8575, 92.9465, 108.1928



84.0974, 92.9465, 86.9069



89.4611, 92.9465, 121.6356

Square

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



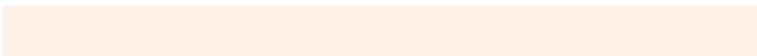
84.0974, 92.9465, 86.9069



83.1989, 92.9465, 114.0717



92.7288, 92.9465, 116.9866



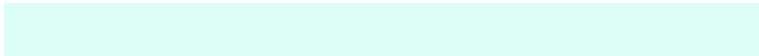
93.6946, 92.9465, 89.3404

Rectangle

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



84.0974, 92.9465, 86.9069



81.7221, 92.9465, 101.0109



92.7288, 92.9465, 116.9866



95.3119, 92.9465, 101.3952

Sweetspot

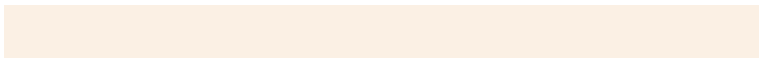
The Sweet Spot groups the original color and five complimentary colors.



84.0999, 92.9505, 86.9089



92.3891, 98.7677, 102.4738



84.9165, 88.3657, 85.9809



19.6257, 21.0711, 21.5753



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

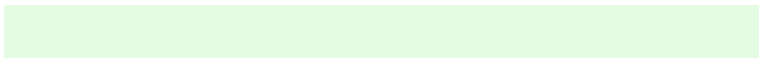
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0999, 92.9505, 86.9089



85.6765, 95.6520, 86.5839



80.5517, 91.1152, 87.0210



17.8070, 19.7163, 18.3295



22.3718, 38.4514, 6.2427



2.1936, 3.6239, 0.5839

Inverse Universe

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



81.0948, 80.9797, 102.6281



81.9820, 80.9352, 105.9089



84.8828, 82.9394, 102.4901



17.1474, 17.0886, 21.7800



14.2408, 6.2841, 48.4359



1.4414, 0.6451, 4.4917

Previews

White Background



This preview shows how the XYZ color 84.0974, 92.9465, 86.9069 looks on a white background.

Color Contrast Check

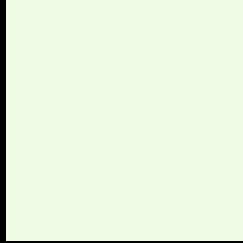
Large Text (above 18pt) WCAG AA × Fail

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 84.0974, 92.9465, 86.9069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

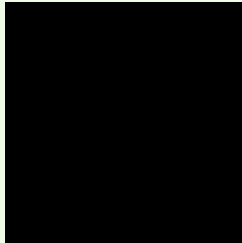
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

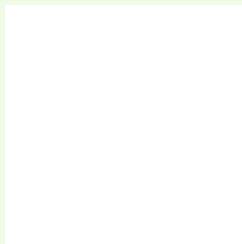
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0974, 92.9465, 86.9069

Background



This preview shows how black text looks on a background with the XYZ color 84.0974, 92.9465, 86.9069.

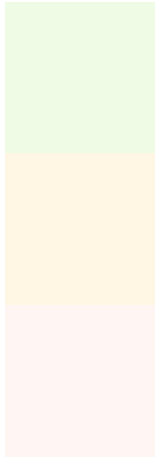


This preview shows how white text looks on a background with the XYZ color 84.0974, 92.9465,

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

84.0974, 92.9465, 86.9069

Protanopia

88.1994, 92.7730, 86.6572

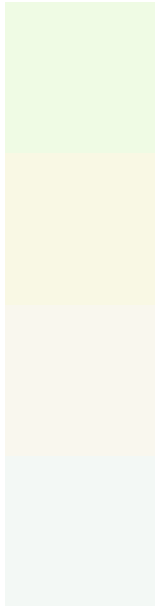
Deuteranopia

90.0701, 93.0359, 98.0045

Tritanopia

89.0118, 92.7244, 107.8139

Trichromacy



Original Color

84.0974, 92.9465, 86.9069

Protanomaly

86.6379, 92.8760, 86.7593

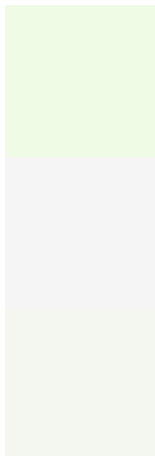
Deuteranomaly

87.7603, 92.8343, 94.1823

Tritanomaly

87.0110, 92.7821, 99.7090

Monochromacy



Original Color

84.0974, 92.9465, 86.9069

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.8029, 91.8082, 94.8598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0974, 92.9465, 86.9069 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(239, 251, 228)` looks like.

```
.text, #text, p{  
    color:rgb(239, 251, 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(239, 251, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 251, 228) }
```

Border

The CSS property to change the border of an element to XYZ 84.0974, 92.9465, 86.9069 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(239, 251, 228) }
```


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

```
.border{ border-color:rgb(239, 251, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 251, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 251, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 251, 228);  
box-shadow:4px 4px 4px 4px rgb(239, 251,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0974, 92.9465, 86.9069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 251, 228) }
```

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

```
.background{ background-color: rgb(239,  
251, 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](#).

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