

Converting Colors

XYZ(84.6474, 94.9163, 87.0957)

Have a look what the booklet for
XYZ(84.6474, 94.9163, 87.0957)
contains.

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Color

**XYZ(84.6886, 95.1260,
87.2964)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFE4
RGB	237, 255, 228
RGB Percent	93%, 100%, 89%
CMY	0.0706, 0.0000, 0.1059
CMYK	0.07, 0.00, 0.11, 0.00
HSL	100°, 100%, 95%
HSV	100°, 11%, 100%
XYZ	84.6886, 95.1260, 87.2964
YIQ	246.5400, -2.0610, -12.2130

Conversions

Conversions Part 2

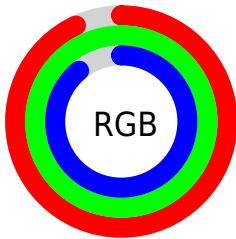
Format	Color
R _Y B	228, 255, 246
Decimal	15597540
CIE _{Lab}	98.08, -10.61, 10.90
CIE _{LCh}	98, 15.208, 134.226
Y _{xy}	95.1260, 0.3171, 0.3561
Android (android.graphics.Color)	4293787620 (0xFFEDFFE4)
Y _{UV}	246.5400, -9.1402, -8.3666
Hunter-Lab	97.5326, -15.6885, 15.2053

Details

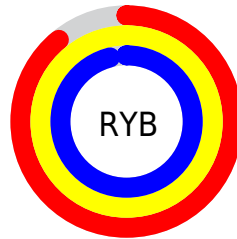
The XYZ color **84.6886, 95.1260, 87.2964** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **83.8003, 82.3009, 106.0767**, and the grayscale version is **88.1070, 92.6954, 100.9453**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7930, 53.2291, 47.3431** is the 20% darker color. If you saturate the color by 10%, you get **75.9957, 91.0239, 69.7532**, and if you desaturate by 10%, it is **94.4432, 99.7150, 107.6176**.

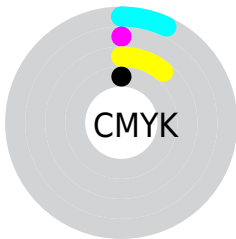
Distribution



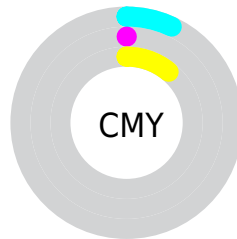
- Red (93%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.6886, 95.1260, 87.2964 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 84.6886, 95.1260, 87.2964 by changing the saturation by 10% instead.


 84.6886, 95.1260,
87.2964

 84.6886, 95.1260,
87.2964


499.0963,
544.5683, 539.5378

 63.9057, 72.2399,
65.1795


138.8543,
154.4387, 145.4797

 46.8357, 53.3546,
47.1544


172.9678,
191.6340, 182.3832

 33.1132, 38.0859,
32.8025


212.2557,
234.3678, 225.0526

 22.3728, 26.0494,
21.7053

257.0831,
283.0245, 273.9065

 14.2492, 16.8606,
13.4443

307.8155,
337.9885, 329.3635

 8.3771, 10.1352,
7.6009

364.8183,

 4.3910, 5.4887,

399.6442, 391.8420

3.7565

428.4568,
468.3760, 461.7606

■ 1.9256, 2.5367,
1.4928

■ 0.5917, 0.8950,
0.2125

■ 84.6886, 95.1260,
87.2964

■ 84.6886, 95.1260,
87.2964

■ 75.9957, 91.0239,
69.7532

94.4432, 99.7150,
107.6176

■ 68.3248, 87.3910,
54.8631

95.0500, 100.0000,
108.9000

■ 61.6366, 84.2099,
42.4979

■ 55.8883, 81.4614,
32.5173

■ 51.0335, 79.1253,
24.7673

■ 47.0217, 77.1789,
19.0757

■ 43.7962, 75.5975,
15.2451

■ 41.2916, 74.3526,
13.0395

■ 39.5061, 73.4512,
12.0953

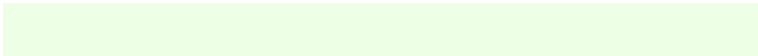
Harmonies

Analogous

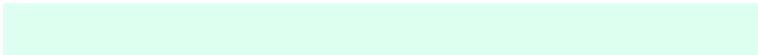
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3685, 95.1260, 81.9898



84.6886, 95.1260, 87.2964



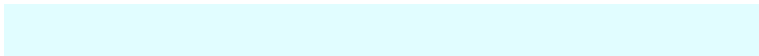
82.5794, 95.1260, 97.1815

Triad

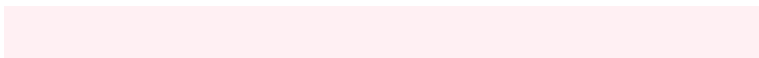
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6886, 95.1260, 87.2964



88.1532, 95.1260, 128.4591



98.7921, 95.1260, 97.7833

Complementary

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



84.6886, 95.1260, 87.2964



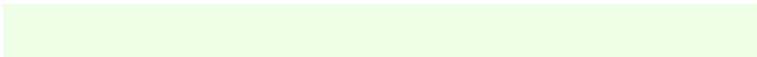
83.8003, 82.3009, 106.0767

Split Complementary

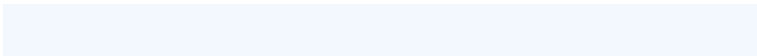
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.7299, 95.1260, 110.2451



84.6886, 95.1260, 87.2964



92.4917, 95.1260, 128.6530

Square

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



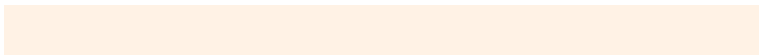
84.6886, 95.1260, 87.2964



84.5354, 95.1260, 121.2531



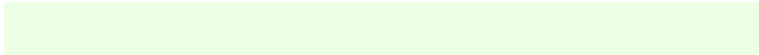
96.3927, 95.1260, 121.7634



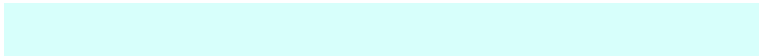
96.5599, 95.1260, 87.7063

Rectangle

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



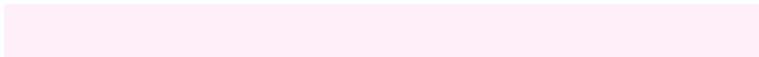
84.6886, 95.1260, 87.2964



82.3038, 95.1260, 105.3567



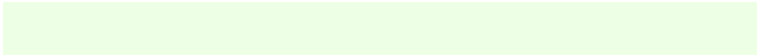
96.3927, 95.1260, 121.7634



99.0410, 95.1260, 101.8155

Sweetspot

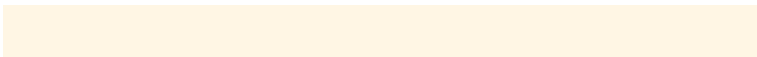
The Sweet Spot groups the original color and five complimentary colors.



84.6893, 95.1263, 87.2978



91.9911, 98.5625, 102.4552



88.1998, 92.7735, 86.6587



19.5184, 21.0158, 21.5703



0.0000, 0.0000, 0.0000



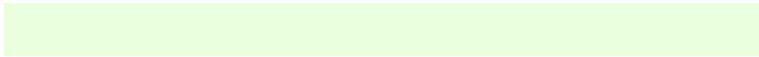
20.3446, 21.4041, 23.3091

Same Dimension

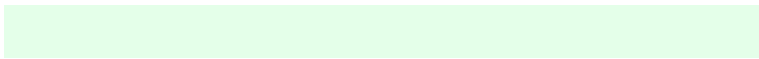
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6893, 95.1263, 87.2978



82.4963, 94.0927, 82.8156



82.3924, 93.8691, 90.4941



18.3420, 20.4622, 19.1272



20.7834, 38.4523, 6.3266



2.1339, 3.8008, 0.6212

Inverse Universe

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



83.8003, 82.3009, 106.0767



81.4224, 78.6071, 105.4890



86.3178, 83.6815, 102.4571



18.1699, 17.9793, 22.7626



18.2588, 8.3232, 50.0788



1.8938, 0.8702, 4.8814

Previews

White Background



This preview shows how the XYZ color 84.6886, 95.1260, 87.2964 looks on a white background.

Color Contrast Check

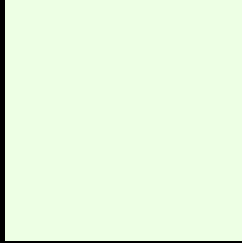
Large Text (above 18pt) WCAG AA × Fail

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 84.6886, 95.1260, 87.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

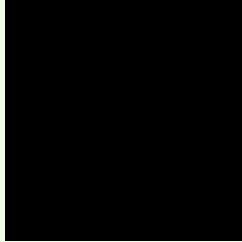
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

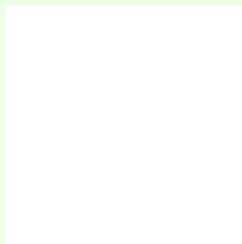
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.6886, 95.1260, 87.2964

Background



This preview shows how black text looks on a background with the XYZ color 84.6886, 95.1260, 87.2964.



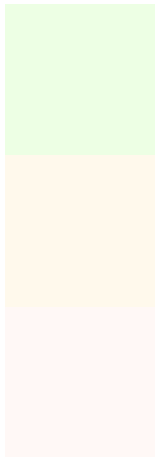
This preview shows how white text looks on a background with the XYZ color 84.6886, 95.1260,

87.2964.

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

84.6886, 95.1260, 87.2964

Protanopia

90.2560, 95.0675, 92.9497

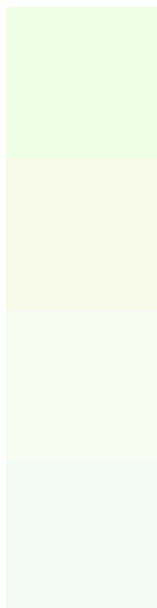
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

90.6371, 94.9278, 108.1536

Trichromacy



Original Color

84.6886, 95.1260, 87.2964

Protanomaly

87.9166, 94.8340, 90.7619

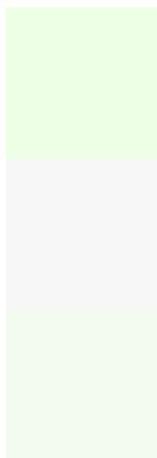
Deuteranomaly

88.7886, 95.1828, 95.3538

Tritanomaly

88.2868, 94.8200, 100.0351

Monochromacy



Original Color

84.6886, 95.1260, 87.2964

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

86.8759, 93.7172, 95.9484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6886, 95.1260, 87.2964 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 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(237, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 84.6886, 95.1260, 87.2964 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, 228) }
```


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

```
.border{ border-color:rgb(237, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6886, 95.1260, 87.2964 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, 228) }
```

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

```
.background{ background-color: rgb(237,  
255, 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](#).

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