

Converting Colors

XYZ(83.4753, 94.5173, 86.4809)

Have a look what the booklet for
XYZ(83.4753, 94.5173, 86.4809)
contains.

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Color

**XYZ(83.5568, 94.5585,
86.5207)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF FE3
RGB	234, 255, 227
RGB Percent	92%, 100%, 89%
CMY	0.0823, 0.0000, 0.1098
CMYK	0.08, 0.00, 0.11, 0.00
HSL	105°, 100%, 95%
HSV	105°, 11%, 100%
XYZ	83.5568, 94.5585, 86.5207
YIQ	245.5290, -3.5280, -13.1600

Conversions

Conversions Part 2

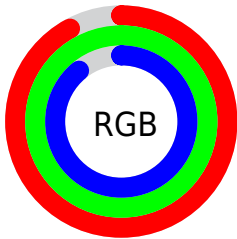
Format	Color
R_{YB}	227, 255, 248
Decimal	15400931
CIE _{Lab}	97.86, -11.78, 11.06
CIE _{LCh}	98, 16.157, 136.813
Yxy	94.5585, 0.3157, 0.3573
Android (android.graphics.Color)	4293591011 (0xFFEAF _{FE} 3)
YUV	245.5290, -9.1348, -10.1109
Hunter-Lab	97.2412, -16.7917, 15.3153

Details

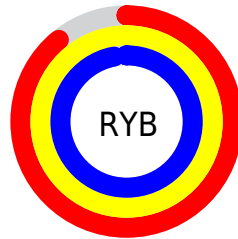
The XYZ color **83.5568, 94.5585, 86.5207** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **84.2312, 82.1158, 106.0182**, and the grayscale version is **87.2899, 91.8358, 100.0092**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0006, 52.8317, 46.8028** is the 20% darker color. If you saturate the color by 10%, you get **74.3498, 90.1890, 69.0580**, and if you desaturate by 10%, it is **93.9644, 99.4865, 106.7634**.

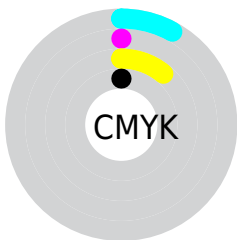
Distribution



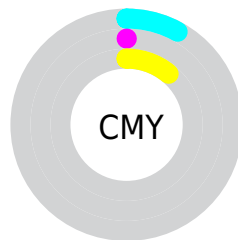
- Red (92%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.5568, 94.5585, 86.5207 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 83.5568, 94.5585, 86.5207 by changing the saturation by 10% instead.


 83.5568, 94.5585,
86.5207

 83.5568, 94.5585,
86.5207


495.3962,
542.7506, 536.9219

 62.9681, 71.7676,
64.5413


137.2795,
153.6545, 144.3889

 46.0739, 52.9688,
46.6402

171.1442,
190.7284, 181.1147

 32.5090, 37.7779,
32.3990


210.1649,
233.3320, 223.5930

 21.9080, 25.8103,
21.3991

254.7070,
281.8498, 272.2425

 13.9056, 16.6818,
13.2220

305.1358,
336.6662, 327.4815

 8.1363, 10.0079,
7.4491

361.8167,

 4.2348, 5.4042,

398.1655, 389.7287

3.6618

425.1151,
466.7322, 459.4027

■ 1.8358, 2.4863,
1.4417

■ 0.5391, 0.8698,
0.1739

■ 83.5568, 94.5585,
86.5207

■ 83.5568, 94.5585,
86.5207

■ 74.3498, 90.1890,
69.0580

■ 93.9644, 99.4865,
106.7634

■ 66.2969, 86.3571,
54.2496

■ 95.0500, 100.0000,
108.9000

■ 59.3519, 83.0415,
41.9669

■ 53.4644, 80.2193,
32.0687

■ 48.5797, 77.8659,
24.3998

■ 44.6383, 75.9541,
18.7868

■ 41.5734, 74.4541,
15.0309

■ 39.3081, 73.3312,
12.8933

■ 37.8581, 72.6016,
12.0182

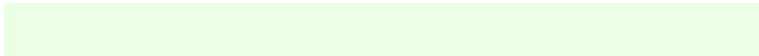
Harmonies

Analogous

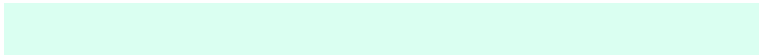
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3318, 94.5585, 80.4890



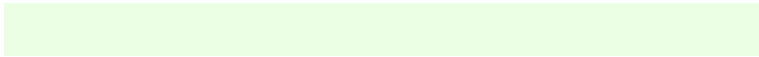
83.5568, 94.5585, 86.5207



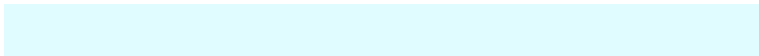
81.5063, 94.5585, 97.2664

Triad

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



83.5568, 94.5585, 86.5207



87.8650, 94.5585, 129.7472



98.6432, 94.5585, 95.7785

Complementary

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



83.5568, 94.5585, 86.5207



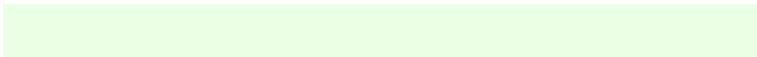
84.2312, 82.1158, 106.0182

Split Complementary

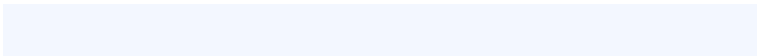
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.7979, 94.5585, 108.8677



83.5568, 94.5585, 86.5207



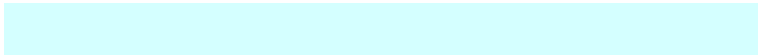
92.4671, 94.5585, 129.2622

Square

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



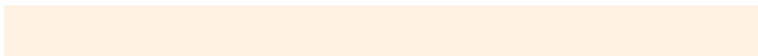
83.5568, 94.5585, 86.5207



83.9356, 94.5585, 122.6291



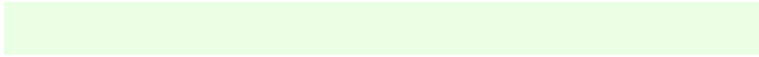
96.5040, 94.5585, 121.3558



96.0882, 94.5585, 85.5120

Rectangle

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



83.5568, 94.5585, 86.5207



81.3458, 94.5585, 106.0034



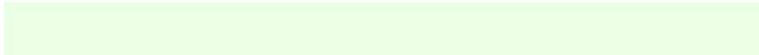
96.5040, 94.5585, 121.3558



98.9806, 94.5585, 99.9718

Sweetspot

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



83.5575, 94.5588, 86.5221



91.7631, 98.4450, 102.4445



88.6729, 93.9412, 86.1333



19.4571, 20.9842, 21.5674



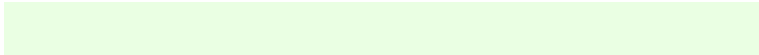
0.0000, 0.0000, 0.0000



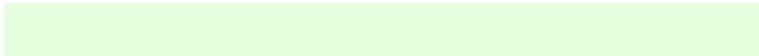
20.3446, 21.4041, 23.3091

Same Dimension

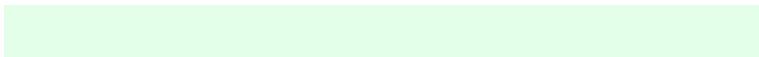
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5575, 94.5588, 86.5221



81.6019, 93.6316, 82.7737



82.2906, 93.7918, 91.6094



18.1970, 20.3875, 19.1204



19.8954, 37.9946, 6.2851



2.0319, 3.7483, 0.6164

Inverse Universe

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



84.2312, 82.1158, 106.0182



82.3880, 79.1049, 105.5342



85.6530, 82.9765, 100.3090



18.3231, 18.0583, 22.7698



20.8352, 9.6514, 50.1994



2.1284, 0.9912, 4.8924

Previews

White Background



This preview shows how the XYZ color 83.5568, 94.5585, 86.5207 looks on a white background.

Color Contrast Check

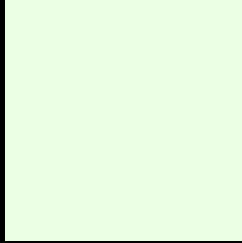
Large Text (above 18pt) WCAG AA × Fail

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 83.5568, 94.5585, 86.5207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

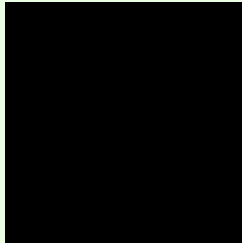
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

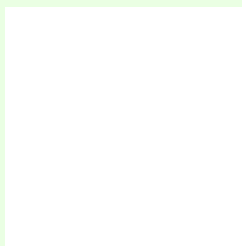
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5568, 94.5585, 86.5207

Background



This preview shows how black text looks on a background with the XYZ color 83.5568, 94.5585, 86.5207.



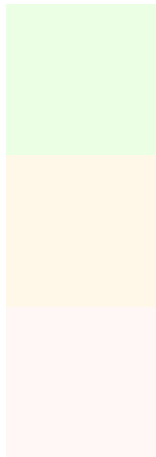
This preview shows how white text looks on a background with the XYZ color 83.5568, 94.5585,

86.5207.

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

83.5568, 94.5585, 86.5207

Protanopia

89.5154, 94.2780, 90.5703

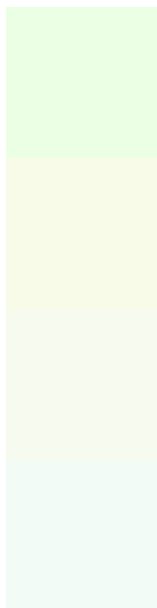
Deuteranopia

90.9822, 94.3741, 99.8069

Tritanopia

89.9317, 94.5642, 108.1205

Trichromacy



Original Color

83.5568, 94.5585, 86.5207

Protanomaly

87.2788, 94.5380, 89.2489

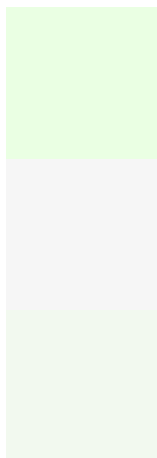
Deuteranomaly

87.9760, 94.3184, 94.4574

Tritanomaly

87.5966, 94.4642, 100.0028

Monochromacy



Original Color

83.5568, 94.5585, 86.5207

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.0736, 92.8606, 95.0487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5568, 94.5585, 86.5207 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, 227) looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 83.5568, 94.5585, 86.5207 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, 227) }
```


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

```
.border{ border-color:rgb(234, 255, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5568, 94.5585, 86.5207 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, 227) }
```

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

```
.background{ background-color: rgb(234,  
255, 227) }
```

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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