

Converting Colors

XYZ(87.7113, 100.0000,
86.5513)

Have a look what the booklet for
XYZ(87.7113, 100.0000, 86.5513)
contains.

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Color

**XYZ(85.4226, 95.5363,
85.8896)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFE2
RGB	240, 255, 226
RGB Percent	94%, 100%, 89%
CMY	0.0588, 0.0000, 0.1137
CMYK	0.06, 0.00, 0.11, 0.00
HSL	91°, 100%, 94%
HSV	91°, 11%, 100%
XYZ	85.4226, 95.5363, 85.8896
YIQ	247.2090, 0.3690, -12.1990

Conversions

Conversions Part 2

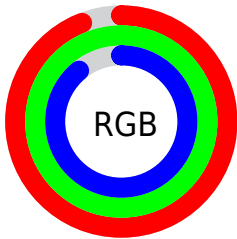
Format	Color
R_{YB}	226, 255, 241
Decimal	15794146
CIE _{Lab}	98.25, -9.93, 12.18
CIE _{LCh}	98, 15.716, 129.174
Yxy	95.5363, 0.3201, 0.3580
Android (android.graphics.Color)	4293984226 (0xFFFF0FFE2)
YUV	247.2090, -10.4560, -6.3223
Hunter-Lab	97.7427, -15.0489, 16.3199

Details

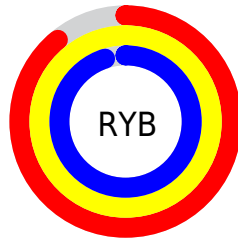
The XYZ color **85.4226, 95.5363, 85.8896** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.5228, 80.3147, 105.8133**, and the grayscale version is **88.6596, 93.2769, 101.5785**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3119, 53.5188, 46.3646** is the 20% darker color. If you saturate the color by 10%, you get **77.8632, 92.0139, 68.6083**, and if you desaturate by 10%, it is **93.8293, 99.4352, 105.9298**.

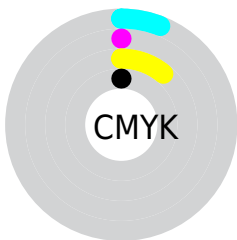
Distribution



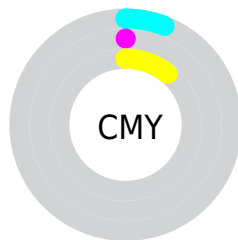
- Red (94%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (95%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.4226, 95.5363, 85.8896 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 85.4226, 95.5363, 85.8896 by changing the saturation by 10% instead.


 85.4226, 95.5363,
85.8896

 85.4226, 95.5363,
85.8896

501.4880,
545.8805, 534.7883

 64.5143, 72.5814,
64.0223


139.8744,
155.0053, 143.5006

 47.3306, 53.6338,
46.2224

174.1487,
192.2882, 180.0814

 33.5061, 38.3089,
32.0715


213.6089,
235.1160, 222.4038

 22.6755, 26.2226,
21.1508

258.6206,
283.8729, 270.8863

 14.4735, 16.9902,
13.0420

309.5490,
338.9434, 325.9474

 8.5346, 10.2275,
7.3264

366.7594,

 4.4936, 5.5501,

400.7119, 388.0058

3.5855

430.6173,
469.5628, 457.4799

■ 1.9850, 2.5735,
1.4008

■ 0.6255, 0.9134,
0.1424

■ 85.4226, 95.5363,
85.8896

■ 85.4226, 95.5363,
85.8896

■ 77.8632, 92.0139,
68.6083

■ 93.8293, 99.4352,
105.9298

■ 71.1193, 88.8545,
53.9607

■ 95.0500, 100.0000,
108.9000

■ 65.1599, 86.0449,
41.8184

■ 59.9511, 83.5707,
32.0404

■ 55.4557, 81.4161,
24.4720

■ 51.6330, 79.5639,
18.9397

■ 48.4370, 77.9948,
15.2443

■ 45.8136, 76.6861,
13.1464

■ 43.9432, 75.7386,
12.3030

Harmonies

Analogous

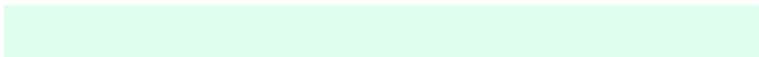
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4254, 95.5363, 81.3276



85.4226, 95.5363, 85.8896



82.9184, 95.5363, 95.4191

Triad

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



85.4226, 95.5363, 85.8896



87.7483, 95.5363, 129.0735



99.6604, 95.5363, 100.1035

Complementary

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



85.4226, 95.5363, 85.8896



81.5228, 80.3147, 105.8133

Split Complementary

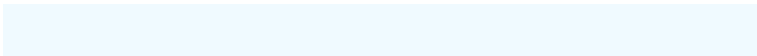
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.1751, 95.5363, 113.1287



85.4226, 95.5363, 85.8896



92.1975, 95.5363, 130.5902

Square

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



85.4226, 95.5363, 85.8896



84.2299, 95.5363, 120.5568



96.4076, 95.5363, 124.5438



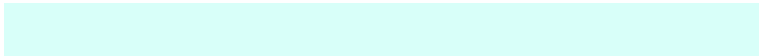
97.7124, 95.5363, 89.0742

Rectangle

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



85.4226, 95.5363, 85.8896



82.3858, 95.5363, 103.6641



96.4076, 95.5363, 124.5438



99.7778, 95.5363, 104.3823

Sweetspot

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



85.4233, 95.5365, 85.8910



92.4018, 98.7743, 102.4744



86.4184, 89.6524, 84.7028



19.6291, 21.0729, 21.5755



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

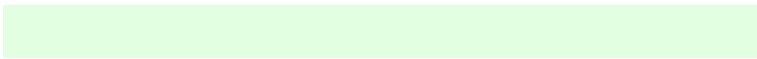
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4233, 95.5365, 85.8910



83.3555, 94.5748, 81.0865



80.9188, 93.2067, 86.0269



18.6061, 20.5984, 19.1396



23.1318, 39.6630, 6.4365



2.3777, 3.9265, 0.6326

Inverse Universe

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



81.5228, 80.3147, 105.8133



78.6411, 76.1763, 105.1664



86.4092, 82.8427, 105.6363



17.8993, 17.8398, 22.7500



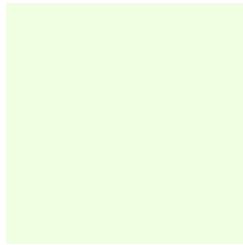
14.5687, 6.4209, 49.9061



1.5447, 0.6902, 4.8651

Previews

White Background



This preview shows how the XYZ color 85.4226, 95.5363, 85.8896 looks on a white background.

Color Contrast Check

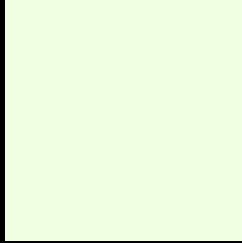
Large Text (above 18pt) WCAG AA × Fail

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 85.4226, 95.5363, 85.8896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

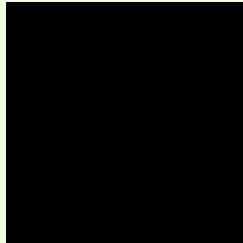
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

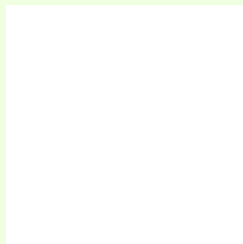
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.4226, 95.5363, 85.8896

Background



This preview shows how black text looks on a background with the XYZ color 85.4226, 95.5363, 85.8896.



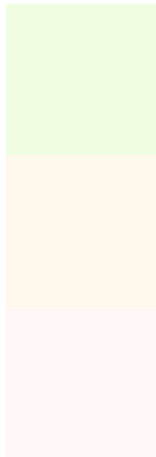
This preview shows how white text looks on a background with the XYZ color 85.4226, 95.5363,

85.8896.

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

85.4226, 95.5363, 85.8896

Protanopia

90.4017, 95.1258, 93.7172

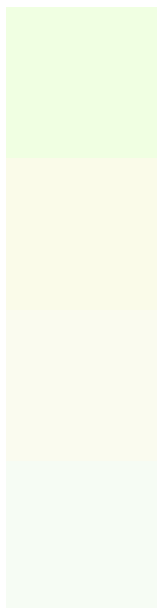
Deuteranopia

91.5959, 95.1102, 101.5262

Tritanopia

91.3025, 95.7310, 108.2735

Trichromacy



Original Color

85.4226, 95.5363, 85.8896

Protanomaly

88.6295, 95.2015, 90.7953

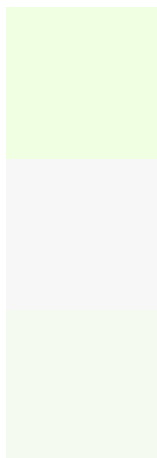
Deuteranomaly

89.5015, 95.5503, 95.3872

Tritanomaly

89.1456, 95.7453, 99.3702

Monochromacy



Original Color

85.4226, 95.5363, 85.8896

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

87.0738, 93.8363, 95.1843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4226, 95.5363, 85.8896 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(240, 255, 226) looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 226)  
}
```

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(240, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 85.4226, 95.5363, 85.8896 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(240, 255, 226) }
```


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

```
.border{ border-color:rgb(240, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4226, 95.5363, 85.8896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 226) }
```

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

```
.background{ background-color: rgb(240,  
255, 226) }
```

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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