

Converting Colors

XYZ(84.5657, 95.0945, 85.8502)

Have a look what the booklet for
XYZ(84.5657, 95.0945, 85.8502)
contains.

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Color

**XYZ(84.4125, 95.0155,
85.8423)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFE2
RGB	237, 255, 226
RGB Percent	93%, 100%, 89%
CMY	0.0706, 0.0000, 0.1137
CMYK	0.07, 0.00, 0.11, 0.00
HSL	97°, 100%, 94%
HSV	97°, 11%, 100%
XYZ	84.4125, 95.0155, 85.8423
YIQ	246.3120, -1.4190, -12.8350

Conversions

Conversions Part 2

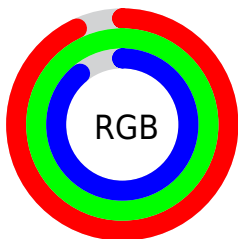
Format	Color
R _Y B	226, 255, 244
Decimal	15597538
CIE Lab	98.04, -10.94, 11.86
CIE LCh	98, 16.135, 132.693
Yxy	95.0155, 0.3182, 0.3582
Android (android.graphics.Color)	4293787618 (0xFFEDFFE2)
YUV	246.3120, -10.0138, -8.1666
Hunter-Lab	97.4759, -16.0048, 16.0193

Details

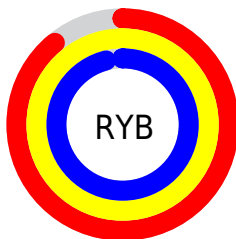
The XYZ color **84.4125, 95.0155, 85.8423** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **82.5553, 80.8470, 105.8616**, and the grayscale version is **87.9287, 92.5078, 100.7410**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6008, 53.1522, 46.3314** is the 20% darker color. If you saturate the color by 10%, you get **76.1158, 91.1131, 68.5265**, and if you desaturate by 10%, it is **93.6975, 99.3673, 105.9236**.

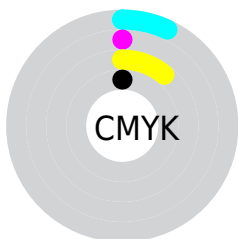
Distribution



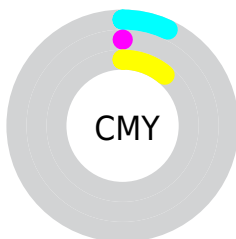
- Red (93%)
- Green (100%)
- Blue (89%)



- 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 84.4125, 95.0155, 85.8423 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 84.4125, 95.0155, 85.8423 by changing the saturation by 10% instead.

84.4125, 95.0155,
85.8423

84.4125, 95.0155,
85.8423

498.1950,
544.2146, 534.6282

63.6769, 72.1479,
63.9834

138.4703,
154.2860, 143.4340

46.6497, 53.2795,
46.1912

172.5233,
191.4577, 180.0039

32.9656, 38.0259,
32.0469

211.7461,
234.1662, 222.3146

22.2592, 26.0028,
21.1322

256.5041,
282.7959, 270.7845

14.1652, 16.8257,
13.0285

307.1626,
337.7312, 325.8323

8.3181, 10.1103,
7.3172

364.0870,

4.3527, 5.4722,

399.3565, 387.8765

3.5798

427.6427,
468.0561, 457.3356

■ 1.9035, 2.5269,
1.3978

■ 0.5789, 0.8900,
0.1400

■ 84.4125, 95.0155,
85.8423

■ 84.4125, 95.0155,
85.8423

■ 76.1158, 91.1131,
68.5265

■ 93.6975, 99.3673,
105.9236

■ 68.7705, 87.6437,
53.8508

■ 95.0500, 100.0000,
108.9000

■ 62.3402, 84.5913,
41.6864

■ 56.7850, 81.9385,
31.8923

■ 52.0621, 79.6666,
24.3132

■ 48.1242, 77.7550,
18.7755

■ 44.9183, 76.1808,
15.0796

■ 42.3828, 74.9174,
12.9859

■ 40.6605, 74.0463,
12.1493

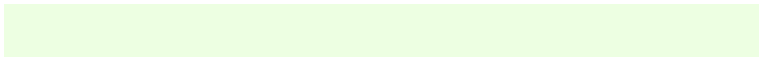
Harmonies

Analogous

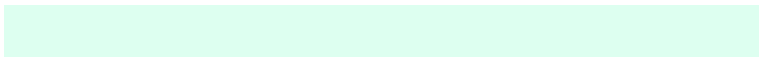
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3694, 95.0155, 80.5451



84.4125, 95.0155, 85.8423



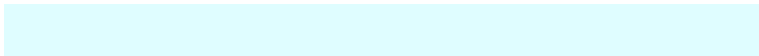
82.0822, 95.0155, 96.0622

Triad

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



84.4125, 95.0155, 85.8423



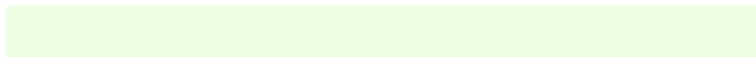
87.6895, 95.0155, 129.7265



99.2659, 95.0155, 97.9599

Complementary

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



84.4125, 95.0155, 85.8423



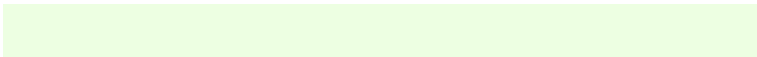
82.5553, 80.8470, 105.8616

Split Complementary

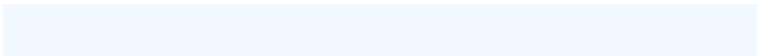
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0687, 95.0155, 111.2192



84.4125, 95.0155, 85.8423



92.2775, 95.0155, 130.3446

Square

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



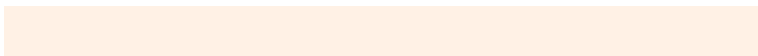
84.4125, 95.0155, 85.8423



83.9294, 95.0155, 121.7042



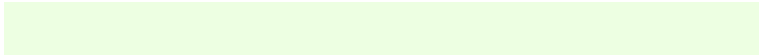
96.4747, 95.0155, 123.3273



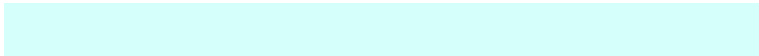
97.0048, 95.0155, 87.1291

Rectangle

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



84.4125, 95.0155, 85.8423



81.7142, 95.0155, 104.6569



96.4747, 95.0155, 123.3273



99.4871, 95.0155, 102.2638

Sweetspot

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



84.4132, 95.0158, 85.8437



92.1172, 98.6276, 102.4611



87.2835, 91.3827, 84.9912



19.5524, 21.0334, 21.5719



0.0000, 0.0000, 0.0000



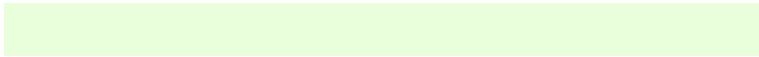
20.3446, 21.4041, 23.3091

Same Dimension

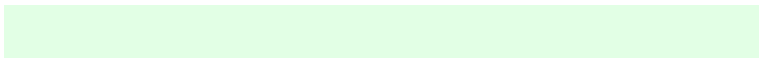
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4132, 95.0158, 85.8437



82.1383, 93.9473, 81.0296



81.3213, 93.3677, 88.1466



18.4227, 20.5038, 19.1310



21.3986, 38.7694, 6.3554



2.2003, 3.8351, 0.6243

Inverse Universe

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



82.5553, 80.8470, 105.8616



79.8922, 76.8213, 105.2250



85.9469, 82.6578, 103.2021



18.0861, 17.9361, 22.7587



16.9990, 7.6738, 50.0198



1.7767, 0.8098, 4.8759

Previews

White Background



This preview shows how the XYZ color 84.4125, 95.0155, 85.8423 looks on a white background.

Color Contrast Check

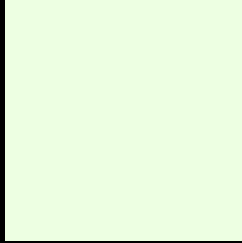
Large Text (above 18pt) WCAG AA × Fail

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 84.4125, 95.0155, 85.8423 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

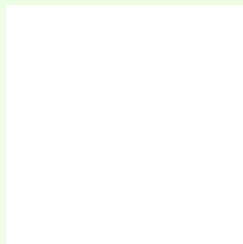
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.4125, 95.0155, 85.8423

Background



This preview shows how black text looks on a background with the XYZ color 84.4125, 95.0155, 85.8423.



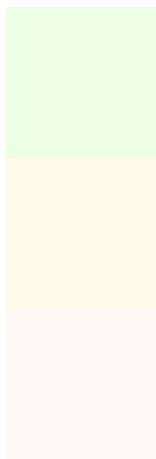
This preview shows how white text looks on a background with the XYZ color 84.4125, 95.0155,

85.8423.

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

84.4125, 95.0155, 85.8423

Protanopia

90.1111, 95.0095, 92.1866

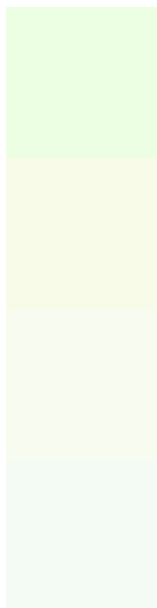
Deuteranopia

91.4420, 95.0486, 100.7155

Tritanopia

90.6371, 94.9278, 108.1536

Trichromacy



Original Color

84.4125, 95.0155, 85.8423

Protanomaly

87.7741, 94.7770, 90.0115

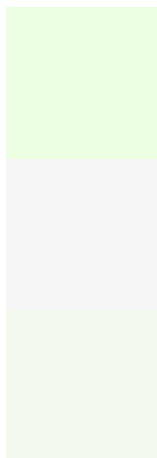
Deuteranomaly

88.7886, 95.1828, 95.3538

Tritanomaly

88.1345, 94.7591, 99.2331

Monochromacy



Original Color

84.4125, 95.0155, 85.8423

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.4178, 93.0380, 95.0648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4125, 95.0155, 85.8423 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 84.4125, 95.0155, 85.8423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

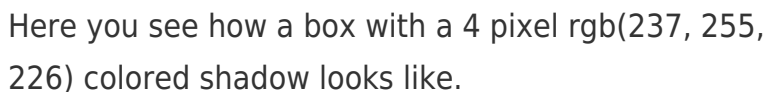
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 255, 226) }
```


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

```
.border{ border-color:rgb(237, 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(237, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 255, 226); box-shadow:4px 4px 4px 4px rgb(237, 255, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4125, 95.0155, 85.8423 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, 226) }
```

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

```
.background{ background-color: rgb(237,  
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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