

Converting Colors

XYZ(84.0976, 94.8525, 85.8569)

Have a look what the booklet for
XYZ(84.0976, 94.8525, 85.8569)
contains.

XYZ(84.0795, 94.8439, 85.8267)	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(84.0795, 94.8439,
85.8267)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFE2
RGB	236, 255, 226
RGB Percent	93%, 100%, 89%
CMY	0.0745, 0.0000, 0.1137
CMYK	0.07, 0.00, 0.11, 0.00
HSL	99°, 100%, 94%
HSV	99°, 11%, 100%
XYZ	84.0795, 94.8439, 85.8267
YIQ	246.0130, -2.0150, -13.0470

Conversions

Conversions Part 2

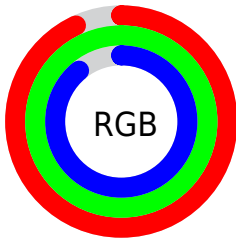
Format	Color
R _Y B	226, 255, 245
Decimal	15532002
CIE _{Lab}	97.97, -11.28, 11.75
CIE _{LCh}	98, 16.288, 133.819
Y _{xy}	94.8439, 0.3176, 0.3582
Android (android.graphics.Color)	4293722082 (0xFFE2FFE2)
Y _{UV}	246.0130, -9.8664, -8.7814
Hunter-Lab	97.3878, -16.3213, 15.9199

Details

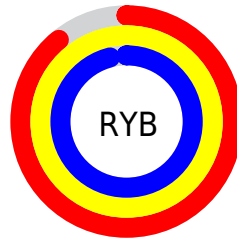
The XYZ color **84.0795, 94.8439, 85.8267** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **82.9033, 81.0264, 105.8779**, and the grayscale version is **87.6858, 92.2522, 100.4627**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3672, 53.0317, 46.3204** is the 20% darker color. If you saturate the color by 10%, you get **75.5461, 90.8194, 68.4998**, and if you desaturate by 10%, it is **93.6537, 99.3446, 105.9215**.

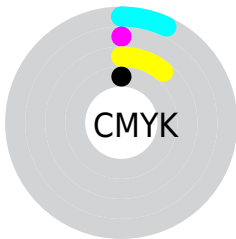
Distribution



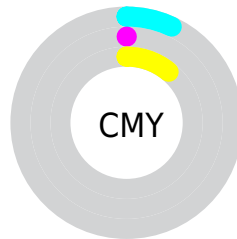
- Red (93%)
- Green (100%)
- Blue (89%)



- 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 84.0795, 94.8439, 85.8267 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 84.0795, 94.8439, 85.8267 by changing the saturation by 10% instead.

84.0795, 94.8439,
85.8267

84.0795, 94.8439,
85.8267

497.1069,
543.6651, 534.5754

63.4010, 72.0051,
63.9706

138.0071,
154.0489, 143.4120

46.4256, 53.1628,
46.1808

171.9868,
191.1839, 179.9783

32.7878, 37.9328,
32.0389

211.1311,
233.8531, 222.2851

22.1224, 25.9305,
21.1261

255.8052,
282.4408, 270.7510

14.0640, 16.7717,
13.0241

306.3744,
337.3314, 325.7944

8.2472, 10.0718,
7.3142

363.2042,

4.3066, 5.4466,

398.9094, 387.8339

3.5780

426.6599,
467.5592, 457.2880

■ 1.8770, 2.5116,
1.3968

■ 0.5634, 0.8824,
0.1392

■ 84.0795, 94.8439,
85.8267

■ 84.0795, 94.8439,
85.8267

■ 75.5461, 90.8194,
68.4998

■ 93.6537, 99.3446,
105.9215

■ 68.0143, 87.2538,
53.8154

■ 95.0500, 100.0000,
108.9000

■ 61.4456, 84.1301,
41.6445

■ 55.7975, 81.4295,
31.8460

■ 51.0247, 79.1318,
24.2646

■ 47.0769, 77.2151,
18.7265

■ 43.8982, 75.6549,
15.0319

■ 41.4235, 74.4229,
12.9410

■ 39.7779, 73.5913,
12.1080

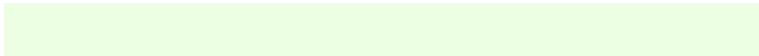
Harmonies

Analogous

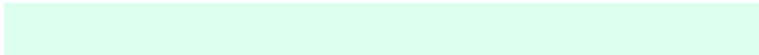
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0215, 94.8439, 80.2863



84.0795, 94.8439, 85.8267



81.8063, 94.8439, 96.2769

Triad

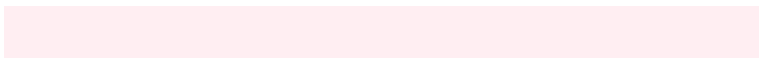
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0795, 94.8439, 85.8267



87.6706, 94.8439, 129.9460



99.1365, 94.8439, 97.2558

Complementary

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



84.0795, 94.8439, 85.8267



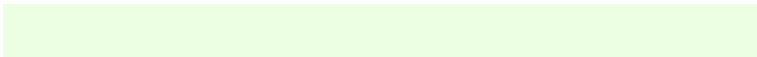
82.9033, 81.0264, 105.8779

Split Complementary

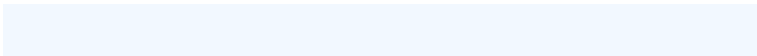
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0346, 94.8439, 110.5914



84.0795, 94.8439, 85.8267



92.3050, 94.8439, 130.2656

Square

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



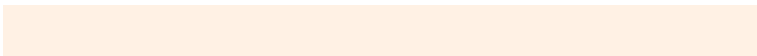
84.0795, 94.8439, 85.8267



83.8303, 94.8439, 122.0886



96.4981, 94.8439, 122.9272



96.7718, 94.8439, 86.4899

Rectangle

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



84.0795, 94.8439, 85.8267



81.4925, 94.8439, 104.9888



96.4981, 94.8439, 122.9272



99.3920, 94.8439, 101.5678

Sweetspot

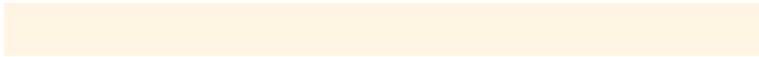
The Sweet Spot groups the original color and five complimentary colors.



84.0802, 94.8441, 85.8281



92.0226, 98.5788, 102.4566



87.5750, 91.9656, 85.0883



19.5269, 21.0202, 21.5707



0.0000, 0.0000, 0.0000



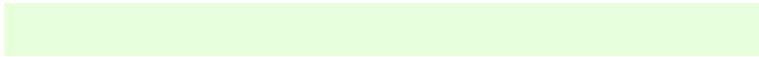
20.3446, 21.4041, 23.3091

Same Dimension

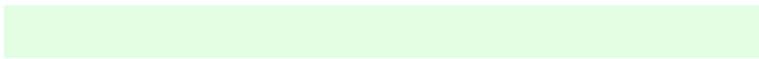
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0802, 94.8441, 85.8281



81.7380, 93.7409, 81.0108



81.4570, 93.4220, 88.8611



18.3621, 20.4726, 19.1281



20.9286, 38.5272, 6.3334



2.1498, 3.8090, 0.6219

Inverse Universe

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



82.9033, 81.0264, 105.8779



80.3150, 77.0393, 105.2447



85.7944, 82.5967, 102.3989



18.1489, 17.9685, 22.7617



17.9332, 8.1554, 50.0635



1.8637, 0.8547, 4.8800

Previews

White Background



This preview shows how the XYZ color 84.0795, 94.8439, 85.8267 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 84.0795, 94.8439, 85.8267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

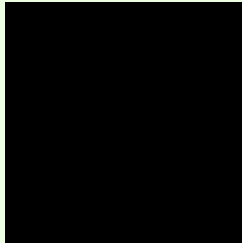
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

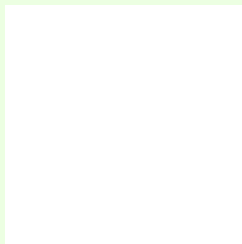
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0795, 94.8439, 85.8267

Background



This preview shows how black text looks on a background with the XYZ color 84.0795, 94.8439, 85.8267.



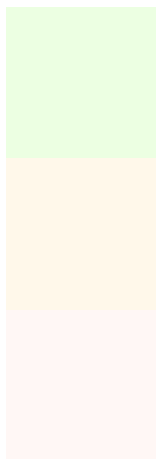
This preview shows how white text looks on a background with the XYZ color 84.0795, 94.8439,

85.8267.

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

84.0795, 94.8439, 85.8267

Protanopia

89.6587, 94.3353, 91.3249

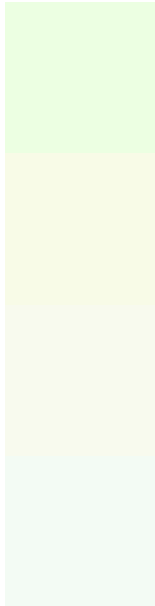
Deuteranopia

90.9822, 94.3741, 99.8069

Tritanopia

90.2835, 94.7455, 108.1370

Trichromacy



Original Color

84.0795, 94.8439, 85.8267

Protanomaly

87.6324, 94.7203, 89.2654

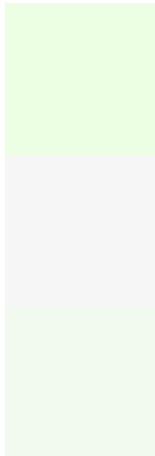
Deuteranomaly

88.3296, 94.5007, 94.4739

Tritanomaly

87.7885, 94.5807, 99.2169

Monochromacy



Original Color

84.0795, 94.8439, 85.8267

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 84.0795, 94.8439, 85.8267 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(236, 255, 226) looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 84.0795, 94.8439, 85.8267 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(236, 255, 226) }
```


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

```
.border{ border-color:rgb(236, 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(236, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0795, 94.8439, 85.8267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 226) }
```

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

```
.background{ background-color: rgb(236,  
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](#).

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