

Converting Colors

XYZ(85.0586, 93.8985, 97.0652)

Have a look what the booklet for
XYZ(85.0586, 93.8985, 97.0652)
contains.

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Color

**XYZ(84.9485, 93.6338,
96.8150)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFCF1
RGB	235, 252, 241
RGB Percent	92%, 99%, 95%
CMY	0.0784, 0.0117, 0.0549
CMYK	0.07, 0.00, 0.04, 0.01
HSL	141°, 74%, 95%
HSV	141°, 7%, 99%
XYZ	84.9485, 93.6338, 96.8150
YIQ	245.6630, -6.6010, -7.0250

Conversions

Conversions Part 2

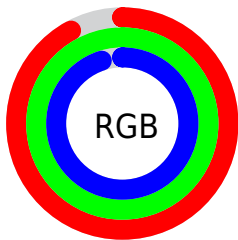
Format	Color
R _Y B	235, 248, 252
Decimal	15465713
CIE Lab	97.48, -7.53, 3.34
CIE LCh	97, 8.240, 156.066
Yxy	93.6338, 0.3085, 0.3400
Android (android.graphics.Color)	4293655793 (0xFFEBFCF1)
YUV	245.6630, -2.2989, -9.3515
Hunter-Lab	96.7646, -12.6349, 8.4143

Details

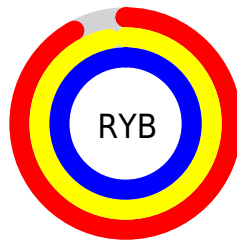
The XYZ color **84.9485, 93.6338, 96.8150** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4911, 86.7682, 99.3825**, and the grayscale version is **87.3492, 91.8981, 100.0771**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8625, 52.1167, 53.4886** is the 20% darker color. If you saturate the color by 10%, you get **74.8828, 88.7164, 84.1927**, and if you desaturate by 10%, it is **94.1022, 98.1044, 108.5841**.

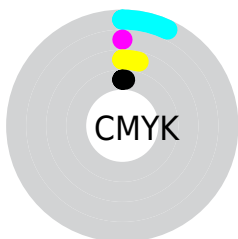
Distribution



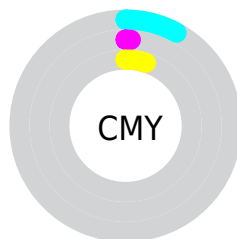
- Red (92%)
- Green (99%)
- Blue (95%)



- Red (92%)
- Yellow (97%)
- Blue (99%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)



- Cyan (8%)
- Magenta (1%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9485, 93.6338, 96.8150 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 84.9485, 93.6338, 96.8150 by changing the saturation by 10% instead.

84.9485, 93.6338,
96.8150

84.9485, 93.6338,
96.8150

499.9439,
539.7819, 571.0914

64.1212, 70.9984,
73.0413

139.2156,
152.3758, 158.7868

47.0109, 52.3409,
53.5177

173.3861,
189.2512, 197.8220

33.2522, 37.2769,
37.8257

212.7351,
231.6420, 242.7815

22.4799, 25.4219,
25.5466

257.6278,
279.9327, 294.0837

14.3285, 16.3917,
16.2621

308.4297,
334.5077, 352.1473

8.4327, 9.8017,
9.5534

365.5061,

4.4272, 5.2677,

395.7513, 417.3907

5.0022

429.2224,
464.0479, 490.2326

■ 1.9465, 2.4052,
2.1898

■ 0.6037, 0.8286,
0.6685

■ 84.9485, 93.6338,
96.8150

■ 84.9485, 93.6338,
96.8150

■ 74.8828, 88.7164,
84.1927

■ 94.1022, 98.1044,
108.5841

■ 66.1562, 84.4621,
72.7398

■ 58.7128, 80.8455,
62.4247

■ 52.4892, 77.8346,
53.2122

■ 47.4169, 75.3948,
45.0650

■ 43.4199, 73.4877,
37.9439

■ 40.4128, 72.0702,
31.8071

■ 38.2960, 71.0918,
26.6096

■ 36.9455, 70.4895,
22.3025

Harmonies

Analogous

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



86.3746, 93.6338, 91.8904



84.9485, 93.6338, 96.8150



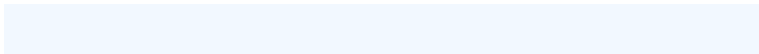
84.5985, 93.6338, 103.3185

Triad

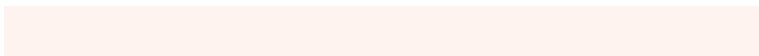
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9485, 93.6338, 96.8150



89.4722, 93.6338, 115.3028



92.6811, 93.6338, 94.5551

Complementary

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



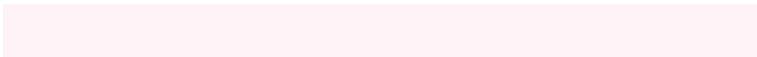
84.9485, 93.6338, 96.8150



86.4911, 86.7682, 99.3825

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.



93.5435, 93.6338, 100.5962



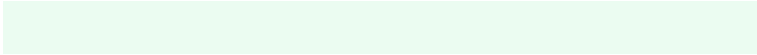
84.9485, 93.6338, 96.8150



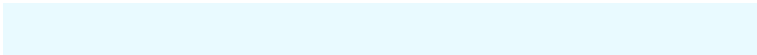
91.6701, 93.6338, 112.7209

Square

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



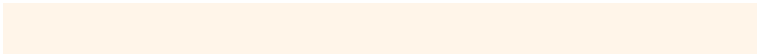
84.9485, 93.6338, 96.8150



87.1841, 93.6338, 114.1826



93.1703, 93.6338, 107.2661



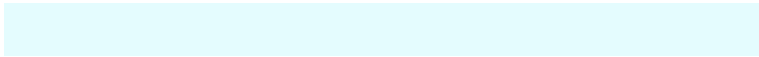
90.8330, 93.6338, 90.6262

Rectangle

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



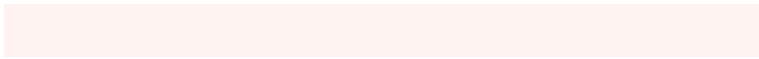
84.9485, 93.6338, 96.8150



85.0171, 93.6338, 107.7162



93.1703, 93.6338, 107.2661



93.0974, 93.6338, 96.3958

Sweetspot

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



84.9511, 93.6378, 96.8171



92.6716, 98.8348, 106.0388



87.8329, 95.2253, 92.3495



19.8605, 21.1669, 22.7268



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.



84.9511, 93.6378, 96.8171



85.8858, 95.5129, 97.7551



86.2436, 94.1548, 103.6233



17.2703, 19.4104, 19.6241



19.1339, 36.6666, 11.3144



1.8204, 3.4153, 1.3020

Inverse Universe

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



86.4911, 86.7682, 99.3825



87.7464, 87.2129, 100.8545



85.2226, 86.2608, 92.7027



17.7177, 17.4145, 20.3694



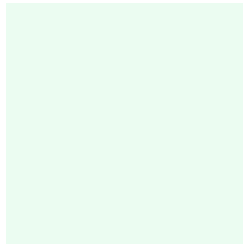
24.4318, 12.1884, 19.5140



2.3131, 1.1490, 2.0722

Previews

White Background



This preview shows how the XYZ color 84.9485, 93.6338, 96.8150 looks on a white background.

Color Contrast Check

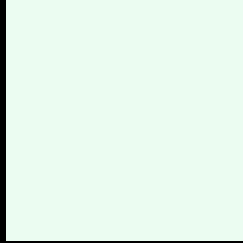
Large Text (above 18pt) WCAG AA × Fail

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 84.9485, 93.6338, 96.8150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

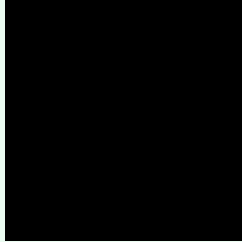
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

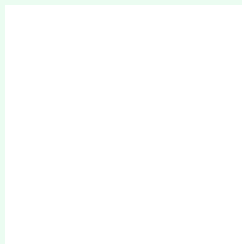
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9485, 93.6338, 96.8150

Background



This preview shows how black text looks on a background with the XYZ color 84.9485, 93.6338, 96.8150.



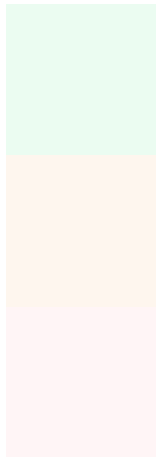
This preview shows how white text looks on a background with the XYZ color 84.9485, 93.6338,

96.8 50.

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

84.9485, 93.6338, 96.8150

Protanopia

89.2614, 93.1554, 94.1651

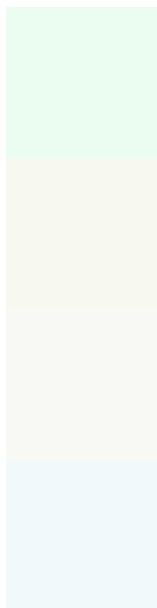
Deuteranopia

90.5270, 93.2186, 100.4105

Tritanopia

89.2736, 93.7673, 108.0014

Trichromacy



Original Color

84.9485, 93.6338, 96.8150

Protanomaly

87.5052, 93.1410, 95.0273

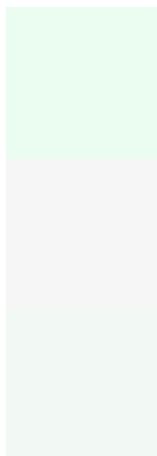
Deuteranomaly

88.6079, 93.6229, 98.9888

Tritanomaly

87.4066, 93.3543, 103.8548

Monochromacy



Original Color

84.9485, 93.6338, 96.8150

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.5145, 92.5437, 98.8909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9485, 93.6338, 96.8150 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(235, 252, 241)` looks like.

```
.text, #text, p{  
    color:rgb(235, 252, 241)  
}
```

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(235, 252, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 252, 241) }
```

Border

The CSS property to change the border of an element to XYZ 84.9485, 93.6338, 96.8150 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(235, 252, 241) }
```


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

```
.border{ border-color:rgb(235, 252, 241) }
```

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

Here you see how a box with a 4 pixel rgb(235, 252, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 252, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 252, 241);  
box-shadow:4px 4px 4px 4px rgb(235, 252,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9485, 93.6338, 96.8150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 252, 241) }
```

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

```
.background{ background-color: rgb(235,  
252, 241) }
```

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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