

Converting Colors

XYZ(83.9383, 93.5232, 93.9123)

Have a look what the booklet for
XYZ(83.9383, 93.5232, 93.9123)
contains.

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Color

**XYZ(84.0156, 93.6886,
93.7764)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FDED
RGB	233, 253, 237
RGB Percent	91%, 99%, 93%
CMY	0.0863, 0.0078, 0.0706
CMYK	0.08, 0.00, 0.06, 0.01
HSL	132°, 83%, 95%
HSV	132°, 8%, 99%
XYZ	84.0156, 93.6886, 93.7764
YIQ	245.1960, -6.7840, -9.2160

Conversions

Conversions Part 2

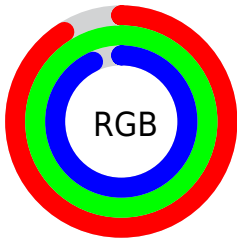
Format	Color
R _Y B	233, 250, 253
Decimal	15334893
CIE Lab	97.51, -9.40, 5.41
CIE LCh	98, 10.844, 150.049
Yxy	93.6886, 0.3095, 0.3451
Android (android.graphics.Color)	4293524973 (0xFFE9FDED)
YUV	245.1960, -4.0406, -10.6959
Hunter-Lab	96.7929, -14.4507, 10.3127

Details

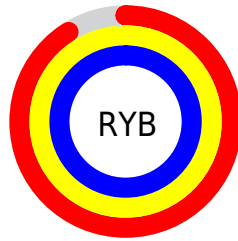
The XYZ color **84.0156, 93.6886, 93.7764** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7492, 86.0023, 101.6549**, and the grayscale version is **86.9864, 91.5165, 99.6614**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2119, 52.1632, 51.3489** is the 20% darker color. If you saturate the color by 10%, you get **73.5488, 88.6181, 78.7112**, and if you desaturate by 10%, it is **94.4171, 98.7342, 108.6890**.

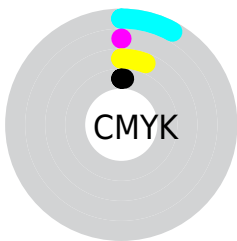
Distribution



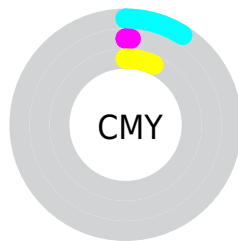
- Red (91%)
- Green (99%)
- Blue (93%)



- Red (91%)
- Yellow (98%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (9%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0156, 93.6886, 93.7764 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 84.0156, 93.6886, 93.7764 by changing the saturation by 10% instead.


 84.0156, 93.6886,
93.7764

 84.0156, 93.6886,
93.7764


496.8979,
539.9581, 561.1243

 63.3481, 71.0440,
70.5257


137.9181,
152.4516, 154.5541

 46.3826, 52.3781,
51.4758


171.8839,
189.3388, 192.9182

 32.7537, 37.3065,
36.2081


211.0130,
231.7423, 237.1571

 22.0962, 25.4449,
24.3040

255.6710,
280.0464, 287.6895

 14.0446, 16.4088,
15.3450

306.2231,
334.6357, 344.9339

 8.2336, 9.8139,
8.9125

363.0347,

 4.2978, 5.2758,

395.8945, 409.3088

4.5881

426.4712,
464.2072, 481.2327

■ 1.8720, 2.4100,
1.9532

■ 0.5605, 0.8310,
0.5263

■ 84.0156, 93.6886,
93.7764

■ 84.0156, 93.6886,
93.7764

■ 73.5488, 88.6181,
78.7112

94.4171, 98.7342,
108.6890

■ 64.5363, 84.2573,
65.3971

■ 56.9153, 80.5779,
53.7723

■ 50.6154, 77.5451,
43.7691

■ 45.5598, 75.1208,
35.3152

■ 41.6640, 73.2629,
28.3329

■ 38.8321, 71.9239,
22.7375

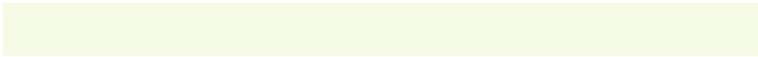
■ 36.9526, 71.0482,
18.4358

■ 35.8789, 70.5626,
15.3222

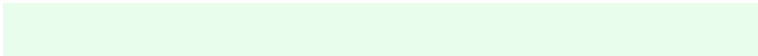
Harmonies

Analogous

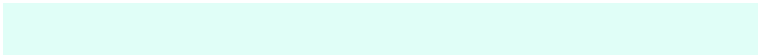
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1160, 93.6886, 88.0248



84.0156, 93.6886, 93.7764



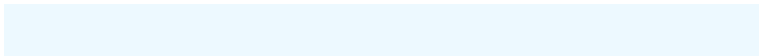
83.2572, 93.6886, 102.0253

Triad

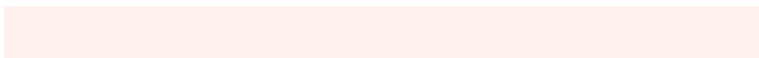
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0156, 93.6886, 93.7764



89.0532, 93.6886, 119.9262



94.2727, 93.6886, 93.7529

Complementary

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



84.0156, 93.6886, 93.7764



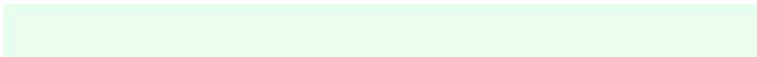
86.7492, 86.0023, 101.6549

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.



95.1017, 93.6886, 101.9966



84.0156, 93.6886, 93.7764



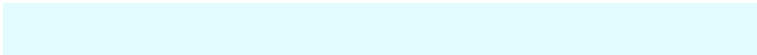
92.0462, 93.6886, 117.4053

Square

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



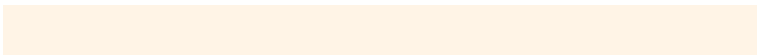
84.0156, 93.6886, 93.7764



86.1245, 93.6886, 117.4211



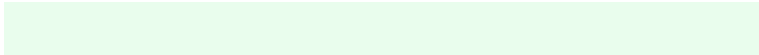
94.2779, 93.6886, 110.7140



92.0373, 93.6886, 88.0118

Rectangle

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



84.0156, 93.6886, 93.7764



83.6007, 93.6886, 107.9356



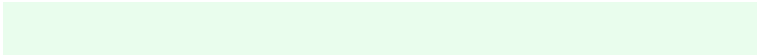
94.2779, 93.6886, 110.7140



94.7273, 93.6886, 96.3072

Sweetspot

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



84.0182, 93.6926, 93.7785



92.5485, 98.7855, 105.3903



89.0229, 96.3394, 90.9953



19.8354, 21.1569, 22.5947



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.



84.0182, 93.6926, 93.7785



84.2884, 94.7775, 93.6962



85.4696, 94.2732, 101.4216



17.9200, 20.2275, 19.8820



19.0392, 37.5123, 8.0916



1.8904, 3.6671, 0.9805

Inverse Universe

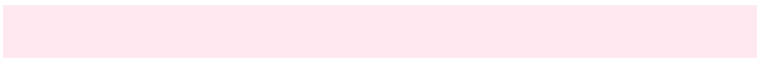
The Inverse Universe completely reimagines the original color for something new.



86.7492, 86.0023, 101.6549



87.4305, 85.9293, 102.7584



85.2792, 85.4143, 93.9140



18.6278, 18.2344, 21.9232



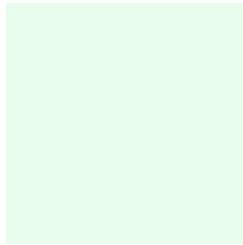
27.2990, 13.4089, 31.2886



2.6957, 1.3207, 3.2450

Previews

White Background



This preview shows how the XYZ color 84.0156, 93.6886, 93.7764 looks on a white background.

Color Contrast Check

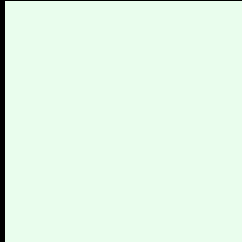
Large Text (above 18pt) WCAG AA × Fail

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 84.0156, 93.6886, 93.7764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

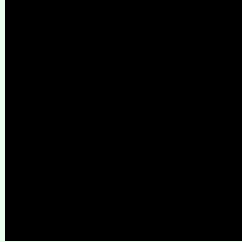
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

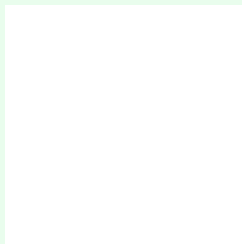
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0156, 93.6886, 93.7764

Background



This preview shows how black text looks on a background with the XYZ color 84.0156, 93.6886, 93.7764.



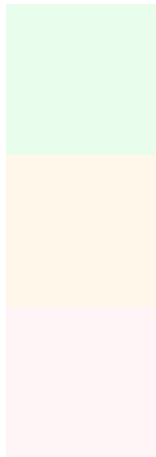
This preview shows how white text looks on a background with the XYZ color 84.0156, 93.6886,

93.7764.

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

84.0156, 93.6886, 93.7764

Protanopia

89.3520, 93.7220, 91.2227

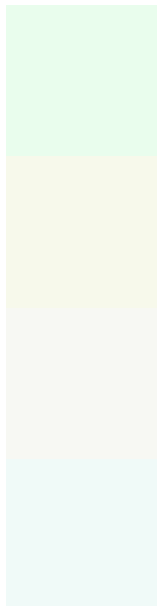
Deuteranopia

90.5270, 93.2186, 100.4105

Tritanopia

88.9256, 93.5879, 107.9851

Trichromacy



Original Color

84.0156, 93.6886, 93.7764

Protanomaly

87.2288, 93.5237, 92.0517

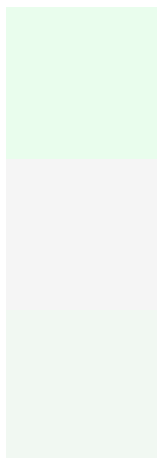
Deuteranomaly

88.1028, 93.3800, 98.1746

Tritanomaly

87.0641, 93.6738, 102.2990

Monochromacy



Original Color

84.0156, 93.6886, 93.7764

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.8700, 92.2464, 97.2839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0156, 93.6886, 93.7764 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(233, 253, 237)` looks like.

```
.text, #text, p{  
    color:rgb(233, 253, 237)  
}
```

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(233, 253, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 253, 237) }
```

Border

The CSS property to change the border of an element to XYZ 84.0156, 93.6886, 93.7764 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(233, 253, 237) }
```


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

```
.border{ border-color:rgb(233, 253, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 253, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 253, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 253, 237);  
box-shadow:4px 4px 4px 4px rgb(233, 253,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0156, 93.6886, 93.7764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 253, 237) }
```

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

```
.background{ background-color: rgb(233,  
253, 237) }
```

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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