

# Converting Colors

XYZ(85.7749, 95.4153, 99.5729)

Have a look what the booklet for  
XYZ(85.7749, 95.4153, 99.5729)  
contains.

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# Color

**XYZ(85.6934, 95.3753,  
99.4807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFF4
RGB	233, 255, 244
RGB Percent	91%, 100%, 96%
CMY	0.0863, 0.0000, 0.0431
CMYK	0.09, 0.00, 0.04, 0.00
HSL	150°, 100%, 96%
HSV	150°, 9%, 100%
XYZ	85.6934, 95.3753, 99.4807
YIQ	247.1680, -9.5810, -8.0850

# Conversions

## Conversions Part 2

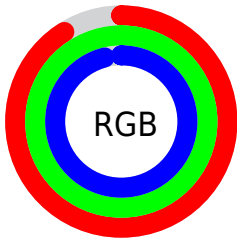
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 248, 255
Decimal	15335412
CIE Lab	98.18, -9.14, 2.80
CIE LCh	98, 9.560, 162.976
Yxy	95.3753, 0.3054, 0.3400
Android (android.graphics.Color)	4293525492 (0xFFE9FFF4)
YUV	247.1680, -1.5618, -12.4253
Hunter-Lab	97.6603, -14.2781, 7.9670

# Details

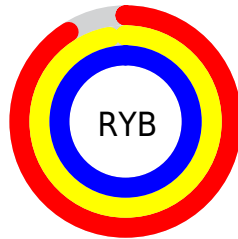
The XYZ color **85.6934, 95.3753, 99.4807** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7085, 86.0705, 97.6311**, and the grayscale version is **88.5622, 93.1743, 101.4668**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4026, 53.3661, 55.3793** is the 20% darker color. If you saturate the color by 10%, you get **76.0921, 90.6416, 89.2739**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

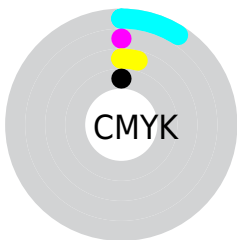
# Distribution



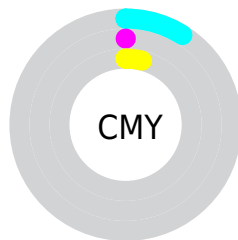
- Red (91%)
- Green (100%)
- Blue (96%)



- Red (91%)
- Yellow (97%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.6934, 95.3753, 99.4807 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 85.6934, 95.3753, 99.4807 by changing the saturation by 10% instead.




 85.6934, 95.3753,  
99.4807

 85.6934, 95.3753,  
99.4807


502.3689,  
545.3658, 579.7589

 64.7389, 72.4474,  
75.2525

140.2506,  
154.7830, 162.4890

 47.5133, 53.5242,  
55.3168

174.5840,  
192.0316, 202.1062

 33.6513, 38.2214,  
39.2551


214.1077,  
234.8224, 247.6900

 22.7874, 26.1546,  
26.6489

259.1871,  
283.5401, 299.6591

 14.5565, 16.9393,  
17.0796

310.1876,  
338.5688, 358.4320

 8.5930, 10.1912,  
10.1287

367.4745,

 4.5316, 5.5259,

400.2931, 424.4273

5.3776

431.4131,  
469.0973, 498.0634

■ 2.0071, 2.5590,  
2.4079

■ 0.6379, 0.9061,  
0.7907

■ 85.6934, 95.3753,  
99.4807

■ 85.6934, 95.3753,  
99.4807

■ 76.0921, 90.6416,  
89.2739

95.0500, 100.0000,  
108.9000

■ 67.7728, 86.5537,  
79.8106

■ 60.6785, 83.0824,  
71.0751

■ 54.7467, 80.1960,  
63.0497

■ 49.9093, 77.8595,  
55.7155

■ 46.0906, 76.0344,  
49.0531

■ 43.2046, 74.6767,  
43.0415

■ 41.1500, 73.7346,  
37.6588

■ 39.7837, 73.1345,  
32.8798

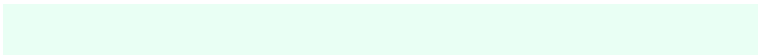
# Harmonies

## Analogous

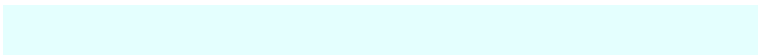
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0977, 95.3753, 93.1670



85.6934, 95.3753, 99.4807



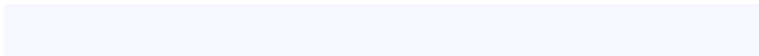
85.6004, 95.3753, 107.2818

# Triad

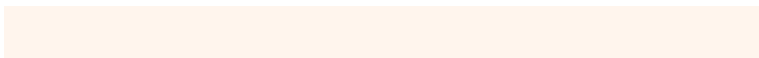
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6934, 95.3753, 99.4807



91.8427, 95.3753, 119.2990



94.5716, 95.3753, 93.8717

# Complementary

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



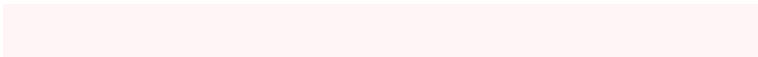
85.6934, 95.3753, 99.4807



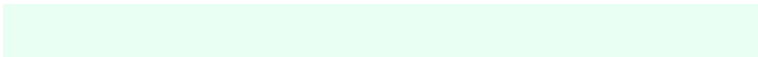
86.7085, 86.0705, 97.6311

# 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.



95.8972, 95.3753, 100.4873



85.6934, 95.3753, 99.4807



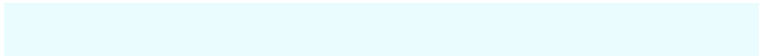
94.3004, 95.3753, 115.3146

# Square

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



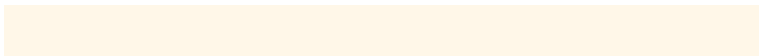
85.6934, 95.3753, 99.4807



89.1135, 95.3753, 118.9959



95.7970, 95.3753, 108.3402



92.2068, 95.3753, 90.0426



# Rectangle

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



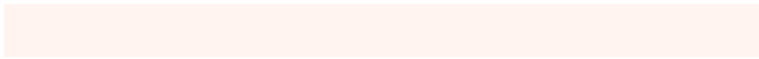
85.6934, 95.3753, 99.4807



86.2915, 95.3753, 112.3017



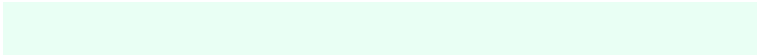
95.7970, 95.3753, 108.3402



95.1556, 95.3753, 95.8286

# Sweetspot

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



85.6943, 95.3757, 99.4822



91.6816, 98.3340, 105.5600



87.7768, 96.6365, 91.1185



19.4354, 20.9545, 22.4056



0.0000, 0.0000, 0.0000

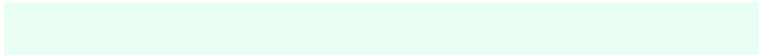


20.3446, 21.4041, 23.3091

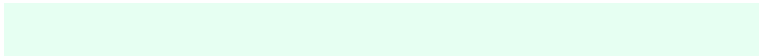


# Same Dimension

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



85.6943, 95.3757, 99.4822



84.2976, 94.6863, 98.0356



87.4148, 96.0639, 108.5427



18.1504, 20.3197, 21.0950



20.7798, 38.2085, 17.2578



2.0784, 3.7423, 1.9706



# Inverse Universe

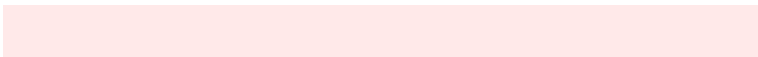
The Inverse Universe completely reimagines the original color for something new.



86.7085, 86.0705, 97.6311



85.4623, 84.0015, 95.9101



85.0876, 85.4221, 89.0956



18.3881, 18.1386, 20.6611



23.6425, 11.9463, 12.0338

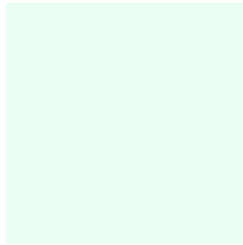


2.3571, 1.1852, 1.4619



# Previews

## White Background



This preview shows how the XYZ color 85.6934, 95.3753, 99.4807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

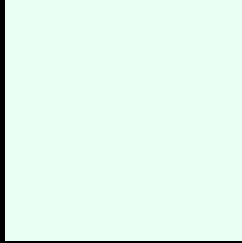
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.6934, 95.3753, 99.4807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

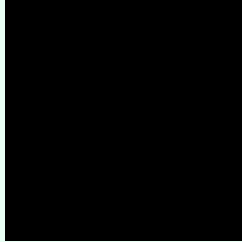
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

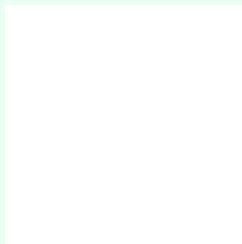
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.6934, 95.3753, 99.4807

## Background



This preview shows how black text looks on a background with the XYZ color 85.6934, 95.3753, 99.4807.



This preview shows how white text looks on a background with the XYZ color 85.6934, 95.3753,

99.4807.

# Color Blindness Simulation

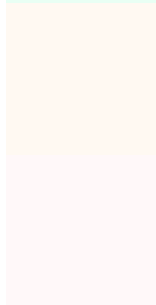
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.6934, 95.3753, 99.4807



### Protanopia

91.1427, 95.4222, 97.6190

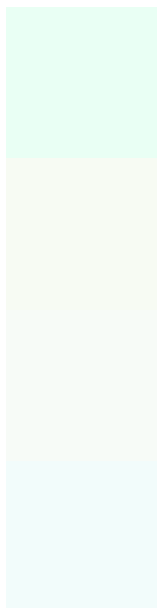
### Deuteranopia

91.9063, 95.2344, 103.1606

## **Tritanopia**

90.5934, 95.3654, 108.2403

# Trichromacy



## Original Color

85.6934, 95.3753, 99.4807

## Protanomaly

89.0326, 95.2396, 98.4846

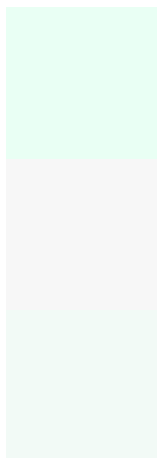
## Deuteranomaly

89.6435, 95.4839, 101.7012

## Tritanomaly

88.8409, 95.4631, 105.0106

# Monochromacy



## Original Color

85.6934, 95.3753, 99.4807

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.4381, 93.9023, 100.7052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.6934, 95.3753, 99.4807 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, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 244)  
}
```

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, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 85.6934, 95.3753, 99.4807 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, 255, 244) }
```



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

```
.border{ border-color:rgb(233, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.6934, 95.3753, 99.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 244) }
```

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

```
.background{ background-color: rgb(233,  
255, 244) }
```

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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