

# Converting Colors

XYZ(85.2789, 94.9912, 95.7221)

Have a look what the booklet for  
XYZ(85.2789, 94.9912, 95.7221)  
contains.

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# Color

**XYZ(84.9535, 94.6080,  
95.4450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFEEF
RGB	234, 254, 239
RGB Percent	92%, 100%, 94%
CMY	0.0823, 0.0039, 0.0627
CMYK	0.08, 0.00, 0.06, 0.00
HSL	135°, 91%, 96%
HSV	135°, 8%, 100%
XYZ	84.9535, 94.6080, 95.4450
YIQ	246.3100, -7.1050, -8.9050

# Conversions

## Conversions Part 2

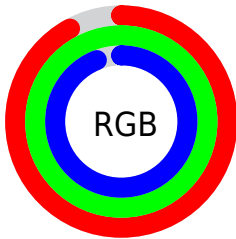
<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 250, 254
Decimal	15400687
CIELab	97.88, -9.21, 4.93
CIELCh	98, 10.449, 151.845
Yxy	94.6080, 0.3089, 0.3440
Android (android.graphics.Color)	4293590767 (0xFFEAFEEF)
YUV	246.3100, -3.6038, -10.7959
Hunter-Lab	97.2666, -14.3132, 9.9071

# Details

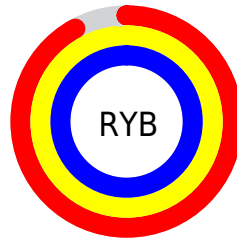
The XYZ color **84.9535, 94.6080, 95.4450** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3982, 86.7585, 101.7668**, and the grayscale version is **87.8829, 92.4596, 100.6886**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8736, 52.8164, 52.5238** is the 20% darker color. If you saturate the color by 10%, you get **74.5371, 89.5491, 81.0318**, and if you desaturate by 10%, it is **94.7336, 99.3672, 108.7945**.

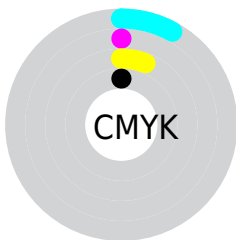
# Distribution



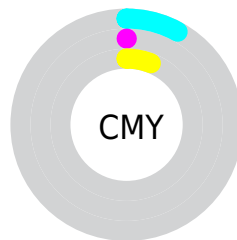
- Red (92%)
- Green (100%)
- Blue (94%)



- Red (92%)
- Yellow (98%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9535, 94.6080, 95.4450 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 84.9535, 94.6080, 95.4450 by changing the saturation by 10% instead.



84.9535, 94.6080,  
95.4450

84.9535, 94.6080,  
95.4450

499.9602,  
542.9093, 566.6093

64.1253, 71.8088,  
71.9065

139.2226,  
153.7229, 156.8801

47.0142, 53.0025,  
52.5959

173.3942,  
190.8074, 195.6138

33.2549, 37.8047,  
37.0948

212.7443,  
233.4224, 240.2496

22.4820, 25.8312,  
24.9845

257.6383,  
281.9524, 291.2060

14.3301, 16.6974,  
15.8466

308.4415,  
336.7816, 348.9017

8.4338, 10.0190,  
9.2625

365.5194,

4.4279, 5.4115,

398.2946, 413.7551

4.8136

429.2371,  
466.8757, 486.1848

■ 1.9469, 2.4907,  
2.0815

■ 0.6039, 0.8720,  
0.6047

■ 84.9535, 94.6080,  
95.4450

■ 84.9535, 94.6080,  
95.4450

■ 74.5371, 89.5491,  
81.0318

94.7336, 99.3672,  
108.7945

■ 65.5505, 85.1914,  
68.1846

■ 57.9326, 81.5071,  
56.8523

■ 51.6145, 78.4620,  
46.9787

■ 46.5214, 76.0187,  
38.5042

■ 42.5705, 74.1359,  
31.3651

■ 39.6684, 72.7668,  
25.4926

■ 37.7061, 71.8568,  
20.8115

■ 36.5405, 71.3338,  
17.2381

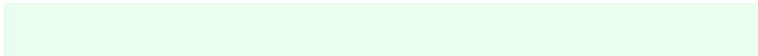
# Harmonies

## Analogous

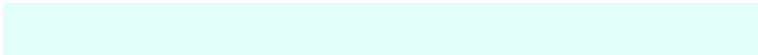
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9261, 94.6080, 89.6635



84.9535, 94.6080, 95.4450



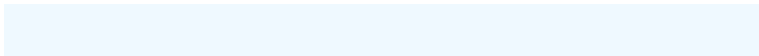
84.3038, 94.6080, 103.5424

# Triad

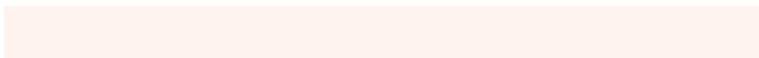
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9535, 94.6080, 95.4450



90.1071, 94.6080, 120.3394



94.8889, 94.6080, 94.5761

# Complementary

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



84.9535, 94.6080, 95.4450



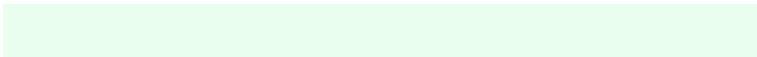
87.3982, 86.7585, 101.7668

# 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.



95.7846, 94.6080, 102.4835



84.9535, 94.6080, 95.4450



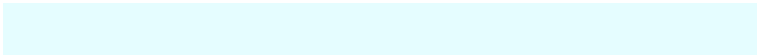
92.9861, 94.6080, 117.6237

# Square

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



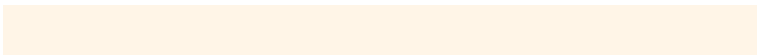
84.9535, 94.6080, 95.4450



87.2395, 94.6080, 118.2031



95.0807, 94.6080, 110.9688

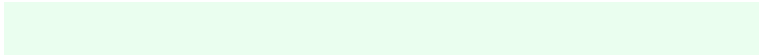


92.6590, 94.6080, 89.1817



# Rectangle

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



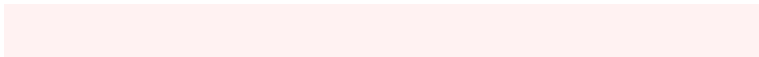
84.9535, 94.6080, 95.4450



84.6965, 94.6080, 109.2535



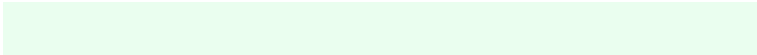
95.0807, 94.6080, 110.9688



95.3582, 94.6080, 97.0129

# Sweetspot

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



84.9561, 94.6120, 95.4471



92.5887, 98.8016, 105.6020



89.4827, 97.0297, 91.8556



19.8436, 21.1602, 22.6378



0.0000, 0.0000, 0.0000

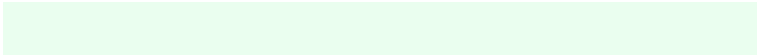


20.3446, 21.4041, 23.3091

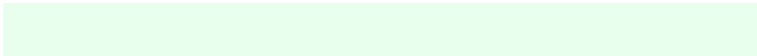


# Same Dimension

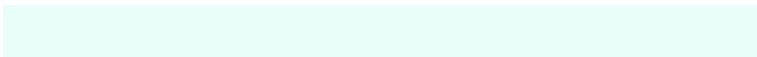
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9561, 94.6120, 95.4471



84.4562, 94.8447, 94.5801



86.4235, 95.1990, 103.1742



17.9578, 20.2426, 20.0806



19.2148, 37.5825, 9.0166



1.9124, 3.6759, 1.0964



# Inverse Universe

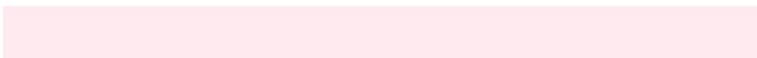
The Inverse Universe completely reimagines the original color for something new.



87.3982, 86.7585, 101.7668



87.2507, 85.8574, 101.8117



85.9282, 86.1704, 94.0256



18.5872, 18.2182, 21.7096



26.5406, 13.1055, 27.2949



2.6278, 1.2935, 2.8875



# Previews

## White Background



This preview shows how the XYZ color 84.9535, 94.6080, 95.4450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

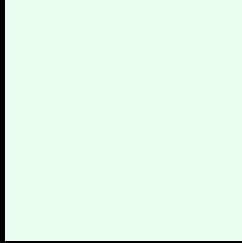
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9535, 94.6080, 95.4450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

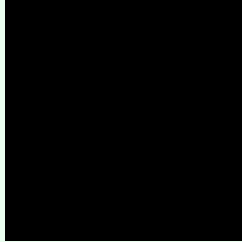
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

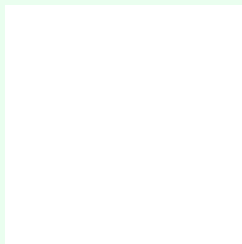
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.9535, 94.6080, 95.4450

## Background



This preview shows how black text looks on a background with the XYZ color 84.9535, 94.6080, 95.4450.



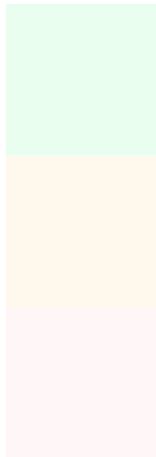
This preview shows how white text looks on a background with the XYZ color 84.9535, 94.6080,

95.4450.

# 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

84.9535, 94.6080, 95.4450

### Protanopia

90.0935, 94.5092, 93.6144

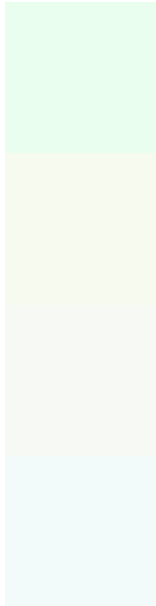
### Deuteranopia

91.2893, 94.4969, 101.4240

## **Tritanopia**

89.9317, 94.5642, 108.1205

# Trichromacy



## Original Color

84.9535, 94.6080, 95.4450

## Protanomaly

87.9760, 94.3184, 94.4574

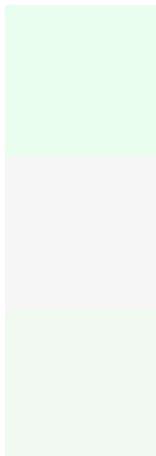
## Deuteranomaly

88.8725, 94.6770, 99.1784

## Tritanomaly

88.2140, 94.7112, 103.2542

# Monochromacy



## Original Color

84.9535, 94.6080, 95.4450

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.6713, 93.0997, 98.1960

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9535, 94.6080, 95.4450 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(234, 254, 239) looks like.

```
.text, #text, p{  
    color:rgb(234, 254, 239)  
}
```

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(234, 254, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 254, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9535, 94.6080, 95.4450 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(234, 254, 239) }
```



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

```
.border{ border-color:rgb(234, 254, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 254, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 254, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 254, 239);  
box-shadow:4px 4px 4px 4px rgb(234, 254,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9535, 94.6080, 95.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 254, 239) }
```

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

```
.background{ background-color: rgb(234,  
254, 239) }
```

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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