

# Converting Colors

XYZ(93.6080, 113.4965,  
102.8621)

Have a look what the booklet for  
XYZ(93.6080, 113.4965, 102.8621)  
contains.

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# Color

**XYZ(84.0840, 94.5456,  
99.4054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FFF4
RGB	228, 255, 244
RGB Percent	89%, 100%, 96%
CMY	0.1059, 0.0000, 0.0431
CMYK	0.11, 0.00, 0.04, 0.00
HSL	156°, 100%, 95%
HSV	156°, 11%, 100%
XYZ	84.0840, 94.5456, 99.4054
YIQ	245.6730, -12.5610, -9.1450

# Conversions

## Conversions Part 2

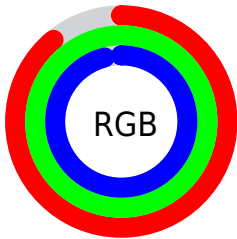
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 245, 255
Decimal	15007732
CIE Lab	97.85, -10.75, 2.28
CIE LCh	98, 10.991, 168.052
Yxy	94.5456, 0.3024, 0.3400
Android (android.graphics.Color)	4293197812 (0xFFE4FFF4)
YUV	245.6730, -0.8248, -15.4992
Hunter-Lab	97.2346, -15.8019, 7.4505

# Details

The XYZ color **84.0840, 94.5456, 99.4054** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.5639, 82.9798, 93.2210**, and the grayscale version is **87.3465, 91.8953, 100.0740**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2844, 52.7897, 55.3269** is the 20% darker color. If you saturate the color by 10%, you get **75.0490, 90.0650, 90.9803**, and if you desaturate by 10%, it is **94.4028, 99.6777, 108.3576**.

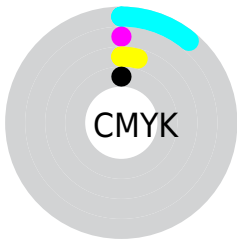
# Distribution



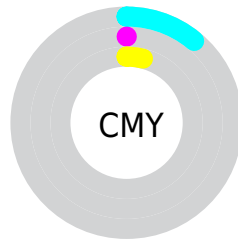
- Red (89%)
- Green (100%)
- Blue (96%)



- Red (89%)
- Yellow (96%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.0840, 94.5456, 99.4054 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 84.0840, 94.5456, 99.4054 by changing the saturation by 10% instead.




 84.0840, 94.5456,  
99.4054

 84.0840, 94.5456,  
99.4054


497.1216,  
542.7092, 579.5150

 63.4047, 71.7568,  
75.1899


138.0133,  
153.6367, 162.3846

 46.4286, 52.9601,  
55.2658


171.9941,  
190.7078, 201.9854

 32.7902, 37.7709,  
39.2146


211.1394,  
233.3085, 247.5517

 22.1242, 25.8049,  
26.6176

255.8146,  
281.8231, 299.5021

 14.0653, 16.6778,  
17.0563

306.3851,  
336.6361, 358.2550

 8.2481, 10.0050,  
10.1123

363.2162,

 4.3073, 5.4023,

398.1319, 424.2292

5.3669

426.6732,  
466.6948, 497.8430

■ 1.8774, 2.4852,  
2.4016

■ 0.5636, 0.8692,  
0.7873

■ 84.0840, 94.5456,  
99.4054

■ 84.0840, 94.5456,  
99.4054

■ 75.0490, 90.0650,  
90.9803

94.4028, 99.6777,  
108.3576

■ 67.2417, 86.2072,  
83.0677

95.0500, 100.0000,  
108.9000

■ 60.6056, 82.9433,  
75.6587

■ 55.0786, 80.2414,  
68.7425

■ 50.5926, 78.0666,  
62.3075

■ 47.0717, 76.3799,  
56.3419

■ 44.4291, 75.1368,  
50.8330

■ 42.5609, 74.2839,  
45.7667

■ 41.3558, 73.7583,  
41.3872

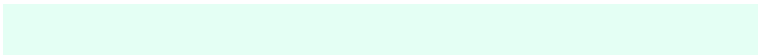
# Harmonies

## Analogous

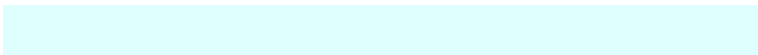
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4463, 94.5456, 91.8120



84.0840, 94.5456, 99.4054



84.2433, 94.5456, 108.3962

# Triad

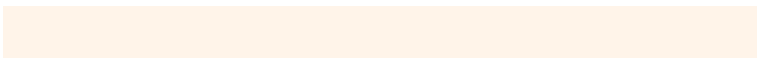
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0840, 94.5456, 99.4054



91.7468, 94.5456, 120.2763



93.9597, 94.5456, 90.6109

# Complementary

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



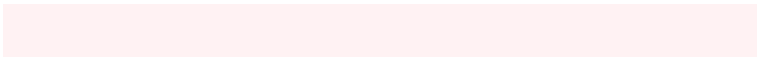
84.0840, 94.5456, 99.4054



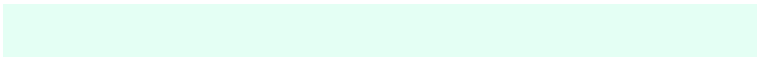
84.5639, 82.9798, 93.2210

# 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.



95.7267, 94.5456, 97.6780



84.0840, 94.5456, 99.4054



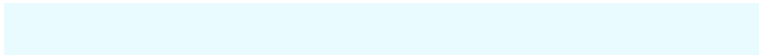
94.4288, 94.5456, 114.9415

# Square

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



84.0840, 94.5456, 99.4054



88.6185, 94.5456, 120.8057



95.9004, 94.5456, 106.5658



91.1186, 94.5456, 86.9360



# Rectangle

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



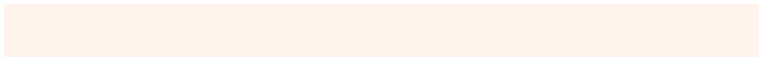
84.0840, 94.5456, 99.4054



85.1914, 94.5456, 113.9749



95.9004, 94.5456, 106.5658



94.7018, 94.5456, 92.6490

# Sweetspot

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



84.0849, 94.5460, 99.4069



91.7936, 98.3788, 106.1498



85.4453, 95.5160, 87.3331



19.4656, 20.9665, 22.5648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

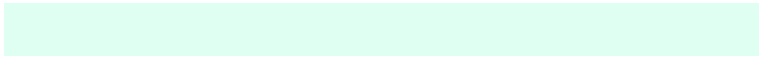


# Same Dimension

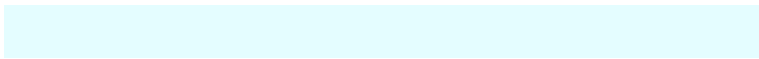
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0849, 94.5460, 99.4069



81.7896, 93.4065, 97.3264



85.0919, 93.8072, 108.2295



18.2234, 20.3489, 21.4792



21.6853, 38.5707, 22.0257



2.1656, 3.7772, 2.4301



# Inverse Universe

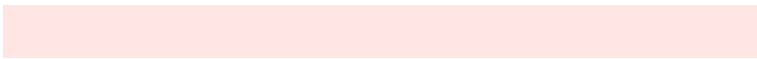
The Inverse Universe completely reimagines the original color for something new.



84.5639, 82.9798, 93.2210



82.3681, 79.4416, 89.8583



83.6107, 83.5953, 85.1288



18.3161, 18.1097, 20.2816



22.9207, 11.6576, 8.2326

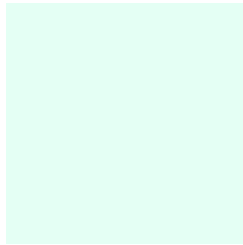


2.2842, 1.1561, 1.0782



# Previews

## White Background



This preview shows how the XYZ color 84.0840, 94.5456, 99.4054 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

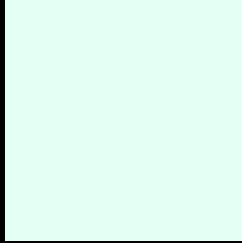
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.0840, 94.5456, 99.4054 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

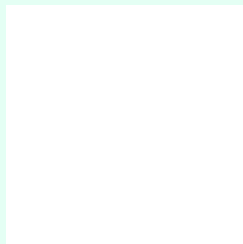
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.0840, 94.5456, 99.4054

## Background



This preview shows how black text looks on a background with the XYZ color 84.0840, 94.5456, 99.4054.



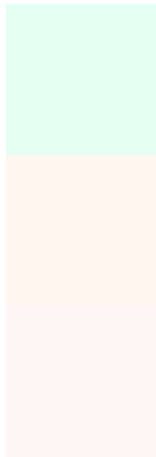
This preview shows how white text looks on a background with the XYZ color 84.0840, 94.5456,

99.454.

# 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

84.0840, 94.5456, 99.4054

### Protanopia

90.2289, 94.0728, 95.8404

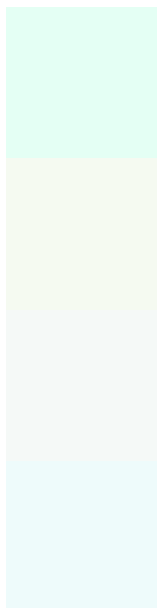
### Deuteranopia

91.1390, 93.9488, 102.1373

## **Tritanopia**

89.2339, 94.2045, 108.0879

# Trichromacy



## Original Color

84.0840, 94.5456, 99.4054

## Protanomaly

87.7190, 94.1346, 96.7656

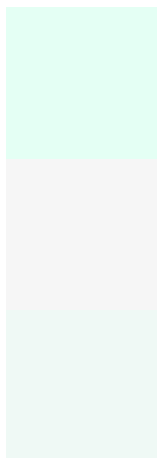
## Deuteranomaly

88.3204, 93.8792, 101.4612

## Tritanomaly

87.1697, 94.1365, 104.8426

# Monochromacy



## Original Color

84.0840, 94.5456, 99.4054

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

85.9537, 92.6947, 99.7478

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.0840, 94.5456, 99.4054 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(228, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 84.0840, 94.5456, 99.4054 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(228, 255, 244) }
```



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

```
.border{ border-color:rgb(228, 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(228, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.0840, 94.5456, 99.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 244) }
```

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

```
.background{ background-color: rgb(228,  
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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