

# Converting Colors

XYZ(85.9094, 100.0000,  
96.7426)

Have a look what the booklet for  
XYZ(85.9094, 100.0000, 96.7426)  
contains.

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# Color

**XYZ(83.0185, 94.0829,  
95.4456)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFEF
RGB	227, 255, 239
RGB Percent	89%, 100%, 94%
CMY	0.1098, 0.0000, 0.0627
CMYK	0.11, 0.00, 0.06, 0.00
HSL	146°, 100%, 95%
HSV	146°, 11%, 100%
XYZ	83.0185, 94.0829, 95.4456
YIQ	244.8040, -11.5520, -10.9120

# Conversions

## Conversions Part 2

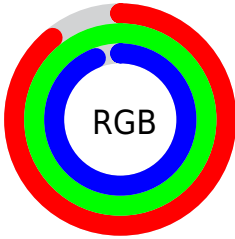
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 247, 255
Decimal	14942191
CIE Lab	97.67, -11.99, 4.57
CIE LCh	98, 12.827, 159.148
Yxy	94.0829, 0.3046, 0.3452
Android (android.graphics.Color)	4293132271 (0xFFE3FFE3)
YUV	244.8040, -2.8614, -15.6141
Hunter-Lab	96.9963, -16.9667, 9.5553

# Details

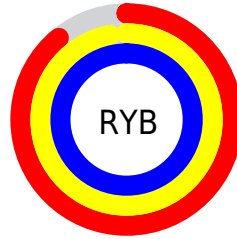
The XYZ color **83.0185, 94.0829, 95.4456** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.8872, 82.6701, 96.2767**, and the grayscale version is **86.6620, 91.1751, 99.2897**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5359, 52.4650, 52.5265** is the 20% darker color. If you saturate the color by 10%, you get **73.4956, 89.4124, 84.2127**, and if you desaturate by 10%, it is **93.9078, 99.4376, 107.6512**.

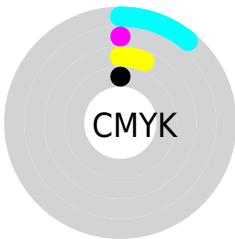
# Distribution



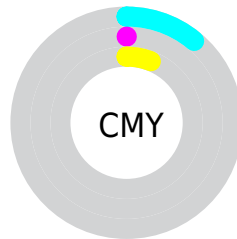
- Red (89%)
- Green (100%)
- Blue (94%)



- Red (89%)
- Yellow (97%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0185, 94.0829, 95.4456 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 83.0185, 94.0829, 95.4456 by changing the saturation by 10% instead.




 83.0185, 94.0829,  
95.4456

 83.0185, 94.0829,  
95.4456


493.6312,  
541.2248, 566.6113

 62.5224, 71.3719,  
71.9070


136.5298,  
152.9970, 156.8809

 45.7121, 52.6458,  
52.5963


170.2756,  
189.9689, 195.6147

 32.2224, 37.5201,  
37.0951


209.1687,  
232.4632, 240.2507

 21.6878, 25.6104,  
24.9848

253.5745,  
280.8643, 291.2073

 13.7430, 16.5324,  
15.8468

303.8583,  
335.5566, 348.9031

 8.0226, 9.9017,  
9.2626

360.3854,

 4.1614, 5.3338,

396.9246, 413.7567

4.8137

423.5213,  
465.3525, 486.1866

■ 1.7938, 2.4444,  
2.0816

■ 0.5139, 0.8486,  
0.6048

■ 83.0185, 94.0829,  
95.4456

■ 83.0185, 94.0829,  
95.4456

■ 73.4956, 89.4124,  
84.2127

93.9078, 99.4376,  
107.6512

■ 65.2804, 85.3965,  
73.9243

95.0500, 100.0000,  
108.9000

■ 58.3133, 82.0050,  
64.5570

■ 52.5294, 79.2048,  
56.0847

■ 47.8572, 76.9596,  
48.4804

■ 44.2172, 75.2291,  
41.7152

■ 41.5186, 73.9670,  
35.7586

■ 39.6534, 73.1182,  
30.5779

■ 38.5362, 72.6305,  
26.5391

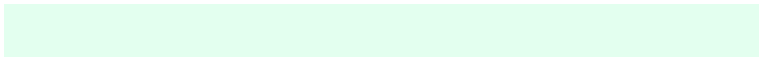
# Harmonies

## Analogous

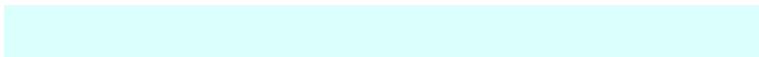
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0616, 94.0829, 87.6188



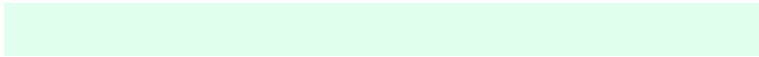
83.0185, 94.0829, 95.4456



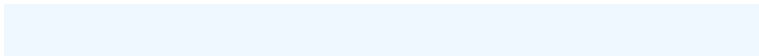
82.6662, 94.0829, 105.6718

# Triad

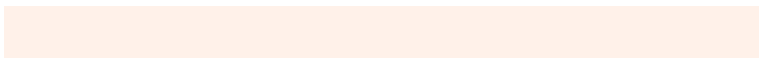
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0185, 94.0829, 95.4456



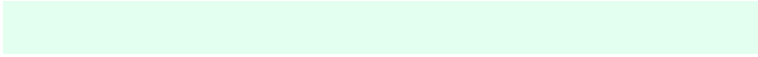
90.5443, 94.0829, 123.6111



94.9814, 94.0829, 90.2583

# Complementary

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



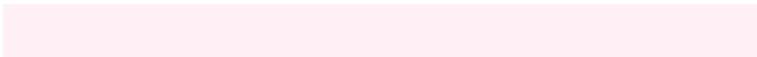
83.0185, 94.0829, 95.4456



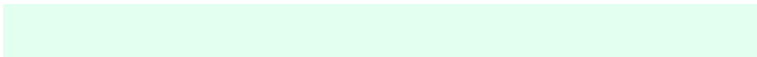
84.8872, 82.6701, 96.2767

# 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.



96.5382, 94.0829, 99.2753



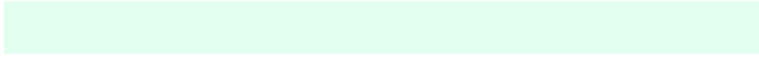
83.0185, 94.0829, 95.4456



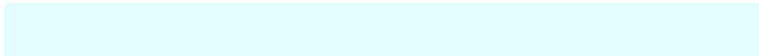
93.9310, 94.0829, 118.8455

# Square

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



83.0185, 94.0829, 95.4456



86.9461, 94.0829, 122.4117



96.1486, 94.0829, 109.7686

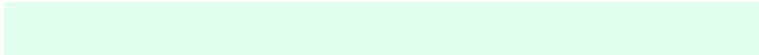


91.9465, 94.0829, 84.7686



# Rectangle

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



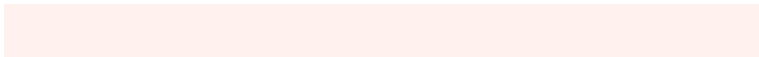
83.0185, 94.0829, 95.4456



83.4279, 94.0829, 112.5537



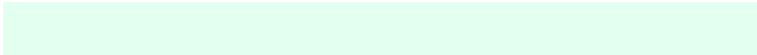
96.1486, 94.0829, 109.7686



95.6986, 94.0829, 92.9516

# Sweetspot

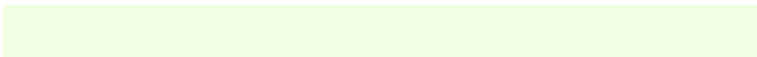
The Sweet Spot groups the original color and five complimentary colors.



83.0193, 94.0833, 95.4471



91.5954, 98.2995, 105.1064



86.7029, 96.1803, 86.6691



19.4122, 20.9452, 22.2833



0.0000, 0.0000, 0.0000

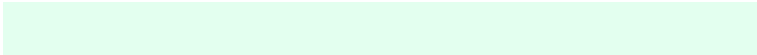


20.3446, 21.4041, 23.3091

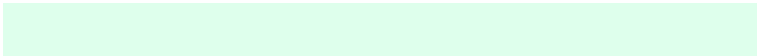


# Same Dimension

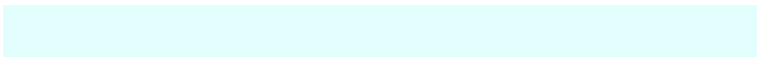
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0193, 94.0833, 95.4471



80.9871, 93.0854, 93.1001



85.1156, 94.9218, 106.4861



18.0947, 20.2974, 20.8018



20.2072, 37.9795, 14.2425



2.0209, 3.7193, 1.6680



# Inverse Universe

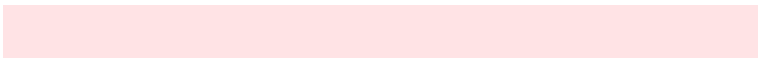
The Inverse Universe completely reimagines the original color for something new.



84.8872, 82.6701, 96.2767



83.1675, 79.7613, 94.0682



82.8992, 81.8749, 85.8083



18.4444, 18.1611, 20.9571



24.3242, 12.2190, 15.6235

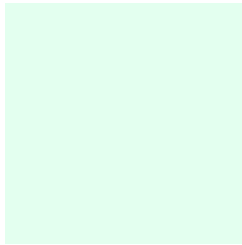


2.4231, 1.2116, 1.8096



# Previews

## White Background



This preview shows how the XYZ color 83.0185, 94.0829, 95.4456 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

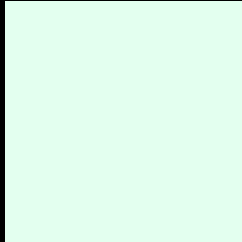
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.0185, 94.0829, 95.4456 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

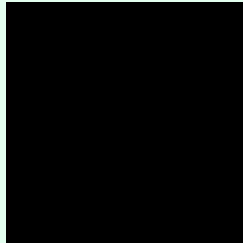
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

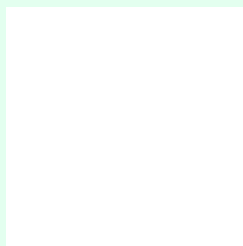
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.0185, 94.0829, 95.4456**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.0185, 94.0829, 95.4456.



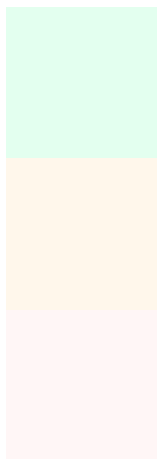
This preview shows how white text looks on a background with the XYZ color 83.0185, 94.0829,

95.4456.

# 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

83.0185, 94.0829, 95.4456

### Protanopia

89.4962, 93.7797, 91.9816

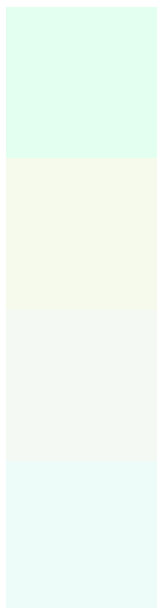
### Deuteranopia

90.8303, 93.8254, 100.5116

## **Tritanopia**

88.8878, 94.0260, 108.0717

# Trichromacy



## Original Color

83.0185, 94.0829, 95.4456

## Protanomaly

86.9821, 93.8398, 92.8853

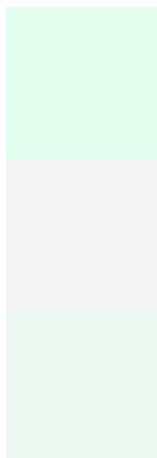
## Deuteranomaly

87.7095, 93.6349, 98.2446

## Tritanomaly

86.5211, 93.8384, 103.1750

# Monochromacy



## Original Color

83.0185, 94.0829, 95.4456

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.3132, 92.3996, 98.1324

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.0185, 94.0829, 95.4456 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(227, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 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(227, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 83.0185, 94.0829, 95.4456 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(227, 255, 239) }
```



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

```
.border{ border-color:rgb(227, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.0185, 94.0829, 95.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 239) }
```

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

```
.background{ background-color: rgb(227,  
255, 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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