

# Converting Colors

XYZ(83.3768, 92.1393, 99.1900)

Have a look what the booklet for  
XYZ(83.3768, 92.1393, 99.1900)  
contains.

<b>XYZ(83.4594, 92.3490, 99.0143)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(83.4594, 92.3490,  
99.0143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FBF4
RGB	230, 251, 244
RGB Percent	90%, 98%, 96%
CMY	0.0980, 0.0157, 0.0431
CMYK	0.08, 0.00, 0.03, 0.02
HSL	160°, 72%, 94%
HSV	160°, 8%, 98%
XYZ	83.4594, 92.3490, 99.0143
YIQ	243.9230, -10.2690, -6.6290

# Conversions

## Conversions Part 2

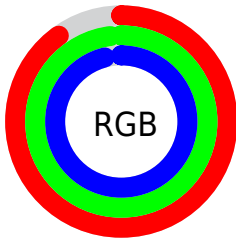
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 243, 251
Decimal	15137780
CIE <sub>Lab</sub>	96.96, -8.11, 1.00
CIE <sub>LCh</sub>	97, 8.175, 172.987
Yxy	92.3490, 0.3037, 0.3360
Android (android.graphics.Color)	4293327860 (0xFFE6FBF4)
YUV	243.9230, 0.0380, -12.2105
Hunter-Lab	96.0984, -13.1487, 6.1798

# Details

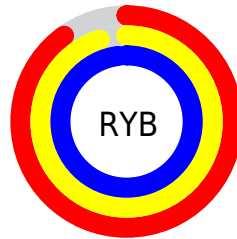
The XYZ color **83.4594, 92.3490, 99.0143** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.3698, 83.2196, 91.7939**, and the grayscale version is **85.9353, 90.4106, 98.4572**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8244, 51.2131, 55.0469** is the 20% darker color. If you saturate the color by 10%, you get **74.7354, 87.9977, 92.1230**, and if you desaturate by 10%, it is **93.3686, 97.3097, 106.2662**.

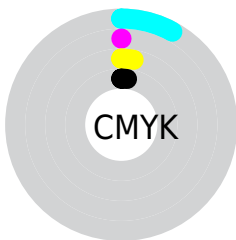
# Distribution



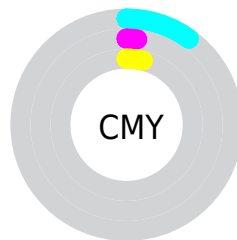
- Red (90%)
- Green (98%)
- Blue (96%)



- Red (90%)
- Yellow (95%)
- Blue (98%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)




- Cyan (10%)
- Magenta (2%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4594, 92.3490, 99.0143 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 83.4594, 92.3490, 99.0143 by changing the saturation by 10% instead.




 83.4594, 92.3490,  
99.0143

 83.4594, 92.3490,  
99.0143

495.0771,  
535.6428, 578.2474

 62.8874, 69.9305,  
74.8653


137.1439,  
150.5970, 161.8420

 46.0084, 51.4699,  
55.0015


170.9871,  
187.1953, 201.3578

 32.4571, 36.5827,  
39.0043


209.9847,  
229.2891, 246.8329

 21.8681, 24.8846,  
26.4552

254.5022,  
277.2626, 298.6859

 13.8761, 15.9911,  
16.9357

304.9048,  
331.5004, 357.3353

 8.1157, 9.5178,  
10.0272

361.5579,

 4.2215, 5.0805,

392.3867, 423.1997

5.3111

424.8269,  
460.3061, 496.6975

■ 1.8282, 2.2946,  
2.3690

■ 0.5346, 0.7708,  
0.7695

■ 83.4594, 92.3490,  
99.0143

■ 83.4594, 92.3490,  
99.0143

■ 74.7354, 87.9977,  
92.1230

■ 93.3686, 97.3097,  
106.2662

■ 67.1763, 84.2378,  
85.5817

■ 93.7889, 97.4779,  
108.4796

■ 60.7310, 81.0456,  
79.3859

■ 55.3416, 78.3913,  
73.5287

■ 50.9447, 76.2424,  
68.0029

■ 47.4698, 74.5625,  
62.8010

■ 44.8369, 73.3106,  
57.9148

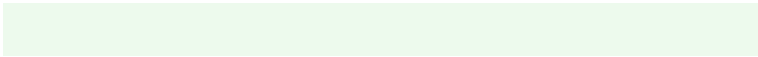
■ 42.9513, 72.4380,  
53.3354

■ 41.6810, 71.8766,  
49.0520

# Harmonies

## Analogous

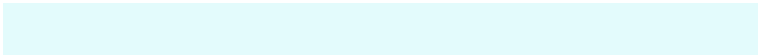
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2916, 92.3490, 93.1207



83.4594, 92.3490, 99.0143



83.7673, 92.3490, 105.5789

# Triad

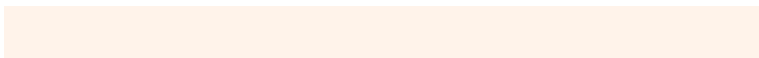
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4594, 92.3490, 99.0143



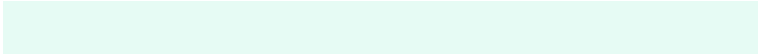
89.5130, 92.3490, 112.6656



90.4636, 92.3490, 90.7765

# Complementary

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



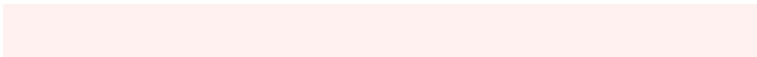
83.4594, 92.3490, 99.0143



83.3698, 83.2196, 91.7939

# 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.



91.9085, 92.3490, 95.6880



83.4594, 92.3490, 99.0143



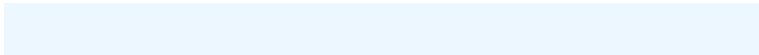
91.3530, 92.3490, 108.3693

# Square

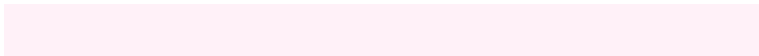
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4594, 92.3490, 99.0143



87.2363, 92.3490, 113.6509



92.2368, 92.3490, 102.1063



88.3159, 92.3490, 88.5010

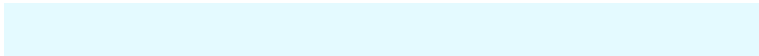


# Rectangle

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



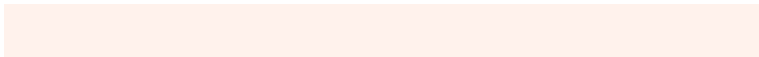
83.4594, 92.3490, 99.0143



84.5803, 92.3490, 109.4355



92.2368, 92.3490, 102.1063



91.0491, 92.3490, 92.1634

# Sweetspot

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



83.4620, 92.3529, 99.0163



91.8833, 98.4146, 106.6222



83.8252, 92.7765, 88.3538



19.4899, 20.9762, 22.6925



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

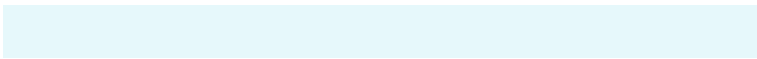
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4620, 92.3529, 99.0163



84.9438, 94.9448, 101.4384



83.5700, 90.8344, 104.3996



17.5053, 19.5044, 20.8617



21.8847, 37.7669, 25.7996



2.0761, 3.5175, 2.6484



# Inverse Universe

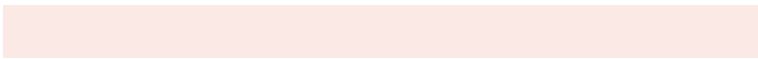
The Inverse Universe completely reimagines the original color for something new.



83.3698, 83.2196, 91.7939



84.8309, 83.7490, 92.5854



83.2509, 84.5876, 86.8034



17.4833, 17.3207, 19.1349



21.8070, 11.1385, 5.6919

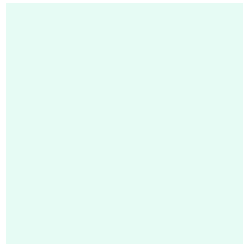


2.0667, 1.0504, 0.7748



# Previews

## White Background



This preview shows how the XYZ color 83.4594, 92.3490, 99.0143 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

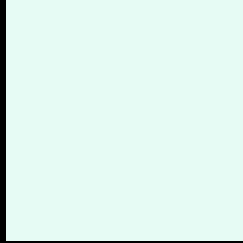
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.4594, 92.3490, 99.0143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

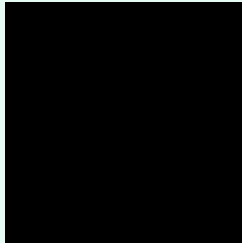
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

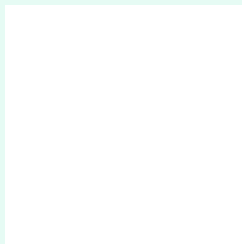
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.4594, 92.3490, 99.0143**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.4594, 92.3490, 99.0143.



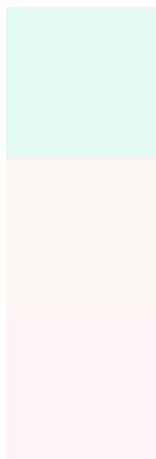
This preview shows how white text looks on a background with the XYZ color 83.4594, 92.3490,

99.043.

# 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

83.4594, 92.3490, 99.0143

### Protanopia

88.3133, 92.1649, 96.3541

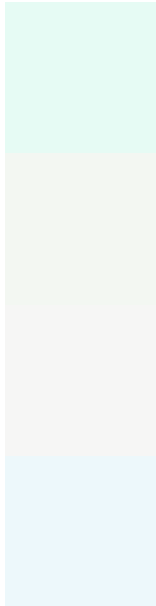
### Deuteranopia

89.9251, 92.0150, 100.2099

## Tritanopia

87.5864, 92.4423, 107.8346

# Trichromacy



## Original Color

83.4594, 92.3490, 99.0143

## Protanomaly

86.2499, 91.9870, 97.2138

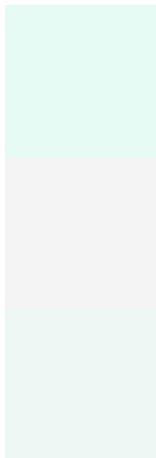
## Deuteranomaly

87.4432, 92.0969, 99.5539

## Tritanomaly

85.9050, 92.1044, 104.5170

# Monochromacy



## Original Color

83.4594, 92.3490, 99.0143

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.1865, 91.4039, 98.7409

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.4594, 92.3490, 99.0143 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(230, 251, 244)` looks like.

```
.text, #text, p{  
    color:rgb(230, 251, 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(230, 251, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 251, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 83.4594, 92.3490, 99.0143 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(230, 251, 244) }
```



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

```
.border{ border-color:rgb(230, 251, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 251, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 251, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 251, 244);  
box-shadow:4px 4px 4px 4px rgb(230, 251,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.4594, 92.3490, 99.0143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 251, 244) }
```

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

```
.background{ background-color: rgb(230,  
251, 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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