

# Converting Colors

XYZ(84.3811, 94.8752, 91.4490)

Have a look what the booklet for  
XYZ(84.3811, 94.8752, 91.4490)  
contains.

<b>XYZ(84.5430, 94.9529, 91.7138)</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(84.5430, 94.9529,  
91.7138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFFEA
RGB	234, 255, 234
RGB Percent	92%, 100%, 92%
CMY	0.0823, 0.0000, 0.0823
CMYK	0.08, 0.00, 0.08, 0.00
HSL	120°, 100%, 96%
HSV	120°, 8%, 100%
XYZ	84.5430, 94.9529, 91.7138
YIQ	246.3270, -5.7750, -10.9830

# Conversions

## Conversions Part 2

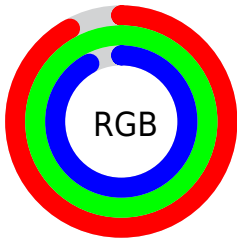
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 255, 255
Decimal	15400938
CIE <sub>Lab</sub>	98.01, -10.59, 7.70
CIE <sub>LCh</sub>	98, 13.087, 143.980
Yxy	94.9529, 0.3117, 0.3501
Android (android.graphics.Color)	4293591018 (0xFFEAF <sub>FEA</sub> )
YUV	246.3270, -6.0772, -10.8108
Hunter-Lab	97.4438, -15.6586, 12.4071

# Details

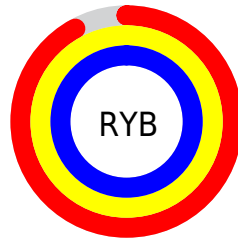
The XYZ color **84.5430, 94.9529, 91.7138** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7133, 87.3266, 106.7876**, and the grayscale version is **87.9126, 92.4909, 100.7226**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5901, 53.0675, 49.9070** is the 20% darker color. If you saturate the color by 10%, you get **73.3608, 89.5816, 73.4235**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

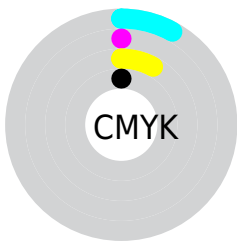
# Distribution



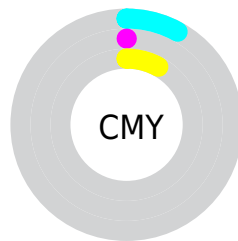
- Red (92%)
- Green (100%)
- Blue (92%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5430, 94.9529, 91.7138 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 84.5430, 94.9529, 91.7138 by changing the saturation by 10% instead.



84.5430, 94.9529,  
91.7138

84.5430, 94.9529,  
91.7138

498.6211,  
544.0142, 554.3035

63.7851, 72.0958,  
68.8212

138.6518,  
154.1995, 151.6729

46.7376, 53.2369,  
50.0953

172.7334,  
191.3578, 189.5765

33.0354, 37.9919,  
35.1174

211.9870,  
234.0520, 233.3210

22.3129, 25.9764,  
23.4691

256.7778,  
282.6664, 283.3247

14.2049, 16.8060,  
14.7317

307.4713,  
337.5854, 340.0062

8.3460, 10.0963,  
8.4868

364.4328,

4.3708, 5.4628,

399.1934, 403.7842

4.3158

428.0276,  
467.8749, 475.0771

■ 1.9140, 2.5213,  
1.8001

■ 0.5849, 0.8873,  
0.4280

■ 84.5430, 94.9529,  
91.7138

■ 84.5430, 94.9529,  
91.7138

■ 73.3608, 89.5816,  
73.4235

95.0500, 100.0000,  
108.9000

■ 63.8364, 85.0065,  
57.8445

■ 55.8916, 81.1902,  
44.8493

■ 49.4411, 78.0917,  
34.2983

■ 44.3914, 75.6661,  
26.0387

■ 40.6388, 73.8635,  
19.9005

■ 38.0649, 72.6272,  
15.6903

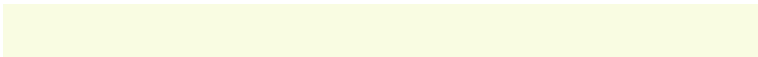
■ 36.5299, 71.8898,  
13.1794

■ 35.8410, 71.5589,  
12.0526

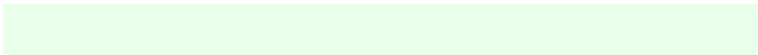
# Harmonies

## Analogous

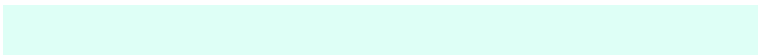
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3512, 94.9529, 85.6452



84.5430, 94.9529, 91.7138



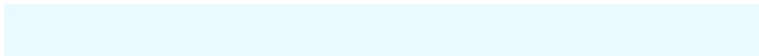
83.2678, 94.9529, 101.2371

# Triad

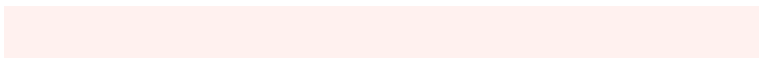
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5430, 94.9529, 91.7138



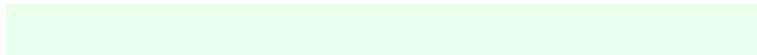
89.4959, 94.9529, 125.3123



96.9992, 94.9529, 95.2204

# Complementary

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



84.5430, 94.9529, 91.7138



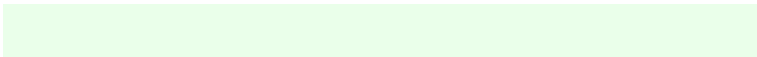
88.7133, 87.3266, 106.7876

# 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.



97.6117, 94.9529, 105.5682



84.5430, 94.9529, 91.7138



93.2120, 94.9529, 123.4252

# Square

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



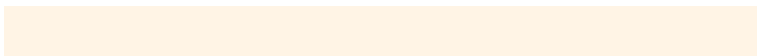
84.5430, 94.9529, 91.7138



86.0760, 94.9529, 121.0042



96.2080, 94.9529, 116.0121



94.5566, 94.9529, 87.5695



# Rectangle

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



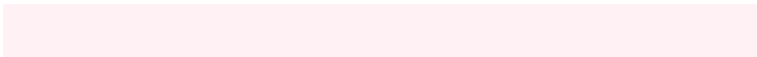
84.5430, 94.9529, 91.7138



83.4326, 94.9529, 108.4568



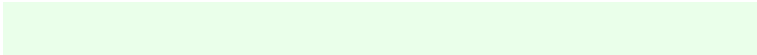
96.2080, 94.9529, 116.0121



97.4287, 94.9529, 98.4788

# Sweetspot

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



84.5438, 94.9533, 91.7153



92.3882, 98.7214, 104.5461



91.8515, 98.7206, 92.0571



19.8027, 21.1438, 22.4228



0.0000, 0.0000, 0.0000

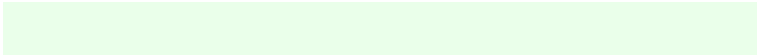


20.3446, 21.4041, 23.3091

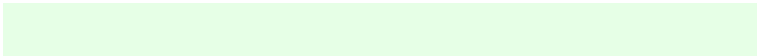


# Same Dimension

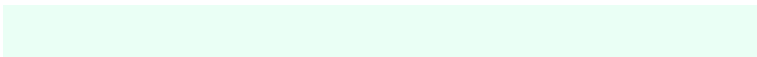
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5438, 94.9533, 91.7153



82.4457, 93.9455, 88.2835



86.0976, 95.5748, 99.8972



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065



# Inverse Universe

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



88.7133, 87.3266, 106.7876



87.4478, 84.7957, 106.3657



87.0686, 86.6687, 98.1270



18.7928, 18.3004, 22.7917



30.9801, 14.8813, 50.6729

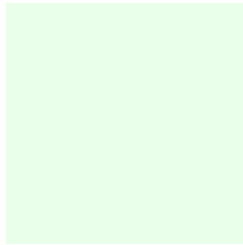


3.0164, 1.4489, 4.9339



# Previews

## White Background



This preview shows how the XYZ color 84.5430, 94.9529, 91.7138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

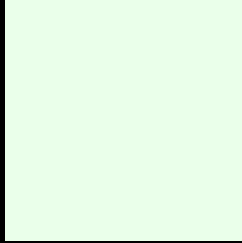
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5430, 94.9529, 91.7138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

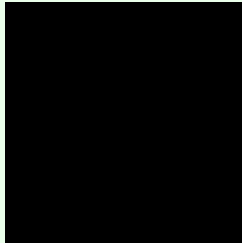
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

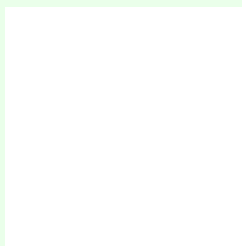
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.5430, 94.9529, 91.7138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5430, 94.9529, 91.7138.



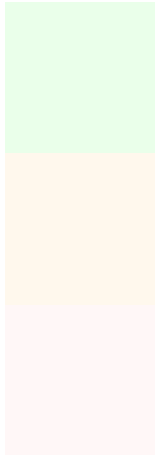
This preview shows how white text looks on a background with the XYZ color 84.5430, 94.9529,

91.7 38.

# 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

84.5430, 94.9529, 91.7138

### Protanopia

90.0935, 94.5092, 93.6144

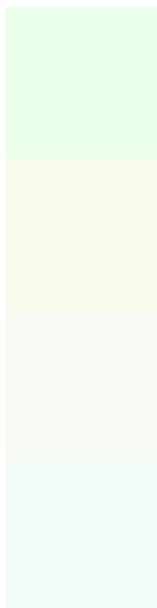
### Deuteranopia

91.2893, 94.4969, 101.4240

## **Tritanopia**

89.9317, 94.5642, 108.1205

# Trichromacy



## Original Color

84.5430, 94.9529, 91.7138

## Protanomaly

87.9953, 94.8246, 93.0220

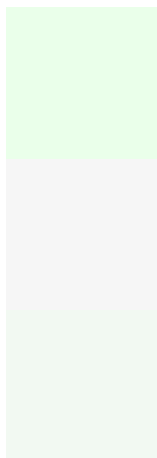
## Deuteranomaly

88.5704, 94.5562, 97.5874

## Tritanomaly

87.9036, 94.5870, 101.6198

# Monochromacy



## Original Color

84.5430, 94.9529, 91.7138

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.5206, 93.0394, 97.4027

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5430, 94.9529, 91.7138 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, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 234)  
}
```

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, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5430, 94.9529, 91.7138 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, 255, 234) }
```



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

```
.border{ border-color:rgb(234, 255, 234) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5430, 94.9529, 91.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 234) }
```

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

```
.background{ background-color: rgb(234,  
255, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor