

# Converting Colors

XYZ(83.9189, 94.6532, 90.6931)

Have a look what the booklet for  
XYZ(83.9189, 94.6532, 90.6931)  
contains.

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# Color

**XYZ(84.0723, 94.7268,  
90.9438)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFE9
RGB	233, 255, 233
RGB Percent	91%, 100%, 91%
CMY	0.0863, 0.0000, 0.0863
CMYK	0.09, 0.00, 0.09, 0.00
HSL	120°, 100%, 96%
HSV	120°, 9%, 100%
XYZ	84.0723, 94.7268, 90.9438
YIQ	245.9140, -6.0500, -11.5060

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 255, 255
Decimal	15335401
CIE <sub>Lab</sub>	97.92, -11.09, 8.07
CIE <sub>LCh</sub>	98, 13.714, 143.954
Y <sub>xy</sub>	94.7268, 0.3117, 0.3512
Android (android.graphics.Color)	4293525481 (0xFFE9FFE9)
YUV	245.9140, -6.3666, -11.3256
Hunter-Lab	97.3277, -16.1340, 12.7283

# Details

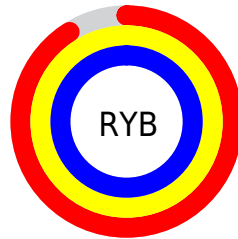
The XYZ color **84.0723, 94.7268, 90.9438** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.4294, 86.7588, 106.6931**, and the grayscale version is **87.5808, 92.1418, 100.3424**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2614, 52.9096, 49.3693** is the 20% darker color. If you saturate the color by 10%, you get **72.9565, 89.3874, 72.7621**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



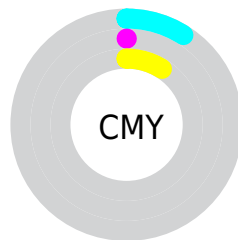
- Red (91%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.0723, 94.7268, 90.9438 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 84.0723, 94.7268, 90.9438 by changing the saturation by 10% instead.




 84.0723, 94.7268,  
90.9438

 84.0723, 94.7268,  
90.9438


497.0833,  
543.2900, 551.7454

 63.3950, 71.9076,  
68.1856


137.9970,  
153.8871, 150.5956

 46.4207, 53.0832,  
49.5811


171.9752,  
190.9970, 188.3263

 32.7840, 37.8692,  
34.7118


211.1178,  
233.6393, 231.8849

 22.1194, 25.8812,  
23.1592

255.7901,  
282.1983, 281.6900

 14.0618, 16.7348,  
14.5047

306.3574,  
337.0585, 338.1600

 8.2456, 10.0456,  
8.3298

363.1851,

 4.3057, 5.4292,

398.6043, 401.7135

4.2159

426.6387,  
467.2200, 472.7691

■ 1.8765, 2.5012,  
1.7445

■ 0.5631, 0.8772,  
0.3910

■ 84.0723, 94.7268,  
90.9438

■ 84.0723, 94.7268,  
90.9438

■ 72.9565, 89.3874,  
72.7621

95.0500, 100.0000,  
108.9000

■ 63.4955, 84.8428,  
57.2868

■ 55.6110, 81.0554,  
44.3902

■ 49.2172, 77.9842,  
33.9320

■ 44.2205, 75.5840,  
25.7589

■ 40.5165, 73.8048,  
19.7002

■ 37.9861, 72.5893,  
15.5613

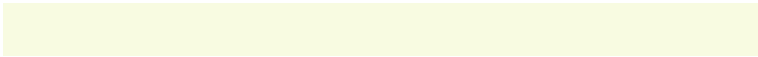
■ 36.4886, 71.8700,  
13.1117

■ 35.8230, 71.5503,  
12.0231

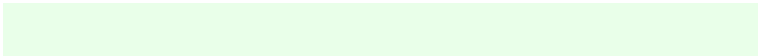
# Harmonies

## Analogous

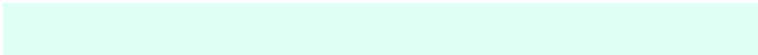
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0068, 94.7268, 84.6308



84.0723, 94.7268, 90.9438



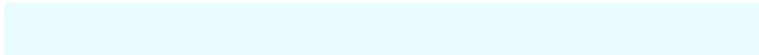
82.7397, 94.7268, 100.8826

# Triad

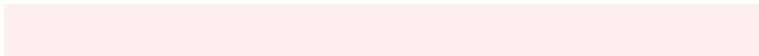
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0723, 94.7268, 90.9438



89.2428, 94.7268, 126.1519



97.1063, 94.7268, 94.6162

# Complementary

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



84.0723, 94.7268, 90.9438



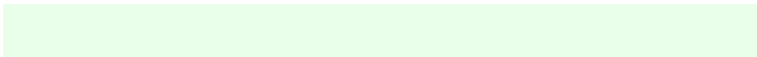
88.4294, 86.7588, 106.6931

# 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.



97.7469, 94.7268, 105.4336



84.0723, 94.7268, 90.9438



93.1326, 94.7268, 124.1716

# Square

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



84.0723, 94.7268, 90.9438



85.6686, 94.7268, 121.6142



96.2731, 94.7268, 116.3836



94.5472, 94.7268, 86.6408



# Rectangle

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



84.0723, 94.7268, 90.9438



82.9106, 94.7268, 108.4394



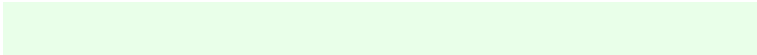
96.2731, 94.7268, 116.3836



97.5562, 94.7268, 98.0188

# Sweetspot

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



84.0731, 94.7272, 90.9453



91.0839, 98.0949, 102.4127



91.7082, 98.6633, 91.3025



19.2746, 20.8901, 21.5589



0.0000, 0.0000, 0.0000

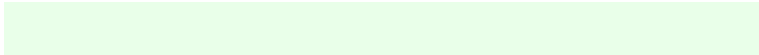


20.3446, 21.4041, 23.3091

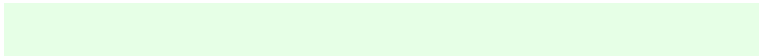


# Same Dimension

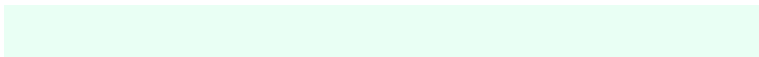
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0731, 94.7272, 90.9453



82.4457, 93.9455, 88.2833



85.6941, 95.3756, 99.4814



17.7717, 20.1682, 19.1005



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.



88.4294, 86.7588, 106.6931



87.4478, 84.7957, 106.3659



86.7087, 86.0706, 97.6319



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6737



3.0164, 1.4489, 4.9339



# Previews

## White Background



This preview shows how the XYZ color 84.0723, 94.7268, 90.9438 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

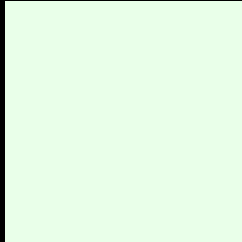
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.0723, 94.7268, 90.9438 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

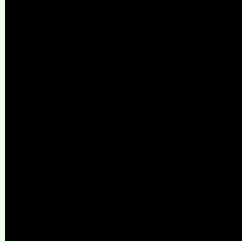
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

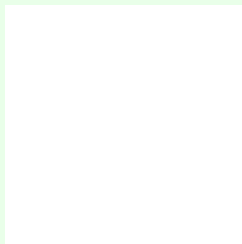
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.0723, 94.7268, 90.9438**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.0723, 94.7268, 90.9438.



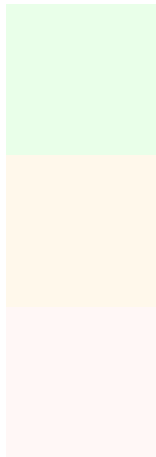
This preview shows how white text looks on a background with the XYZ color 84.0723, 94.7268,

90.9438.

# 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

84.0723, 94.7268, 90.9438

### Protanopia

89.8028, 94.3930, 92.0838

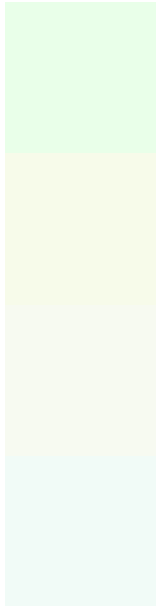
### Deuteranopia

91.1353, 94.4353, 100.6133

## **Tritanopia**

89.9317, 94.5642, 108.1205

# Trichromacy



## Original Color

84.0723, 94.7268, 90.9438

## Protanomaly

87.7062, 94.7090, 91.5000

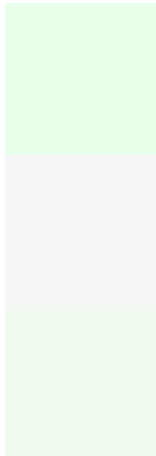
## Deuteranomaly

88.4206, 94.4962, 96.7984

## Tritanomaly

87.5613, 94.4105, 101.6038

# Monochromacy



## Original Color

84.0723, 94.7268, 90.9438

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.0285, 92.8030, 96.5977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.0723, 94.7268, 90.9438 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(233, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 233)  
}
```

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(233, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 84.0723, 94.7268, 90.9438 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(233, 255, 233) }
```



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

```
.border{ border-color:rgb(233, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.0723, 94.7268, 90.9438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 233) }
```

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

```
.background{ background-color: rgb(233,  
255, 233) }
```

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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