

# Converting Colors

XYZ(87.5936, 101.3619,  
91.5633)

Have a look what the booklet for  
XYZ(87.5936, 101.3619, 91.5633)  
contains.

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# Color

**XYZ(84.2572, 94.8386,  
90.2088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAF FE8
RGB	234, 255, 232
RGB Percent	92%, 100%, 91%
CMY	0.0823, 0.0000, 0.0902
CMYK	0.08, 0.00, 0.09, 0.00
HSL	115°, 100%, 95%
HSV	115°, 9%, 100%
XYZ	84.2572, 94.8386, 90.2088
YIQ	246.0990, -5.1330, -11.6050

# Conversions

## Conversions Part 2

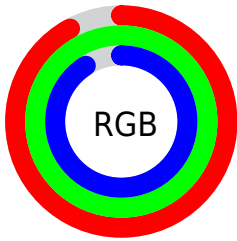
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 255, 253
Decimal	15400936
CIE Lab	97.97, -10.93, 8.66
CIE LCh	98, 13.943, 141.623
Yxy	94.8386, 0.3129, 0.3522
Android (android.graphics.Color)	4293591016 (0xFFEAF <sub>E</sub> E8)
YUV	246.0990, -6.9508, -10.6108
Hunter-Lab	97.3851, -15.9865, 13.2487

# Details

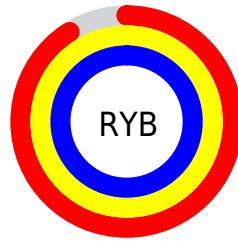
The XYZ color **84.2572, 94.8386, 90.2088** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4153, 85.8170, 106.5648**, and the grayscale version is **87.7344, 92.3035, 100.5185**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3907, 52.9877, 48.8569** is the 20% darker color. If you saturate the color by 10%, you get **73.7452, 89.8081, 72.1606**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

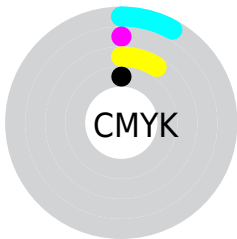
# Distribution



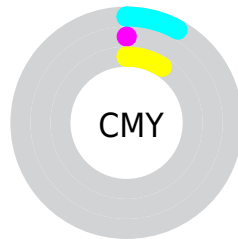
- Red (92%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2572, 94.8386, 90.2088 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 84.2572, 94.8386, 90.2088 by changing the saturation by 10% instead.




 84.2572, 94.8386,  
90.2088

 84.2572, 94.8386,  
90.2088


497.6877,  
543.6481, 549.2975

 63.5482, 72.0006,  
67.5791


138.2543,  
154.0416, 149.5664

 46.5452, 53.1592,  
49.0909


172.2731,  
191.1754, 187.1315

 32.8827, 37.9299,  
34.3255


211.4593,  
233.8434, 230.5121

 22.1954, 25.9283,  
22.8644

256.1782,  
282.4298, 280.1269

 14.1179, 16.7700,  
14.2890

306.7951,  
337.3191, 336.3942

 8.2850, 10.0706,  
8.1809

363.6754,

 4.3312, 5.4458,

398.8956, 399.7327

4.1215

427.1845,  
467.5439, 470.5610

■ 1.8911, 2.5111,  
1.6922

■ 0.5717, 0.8822,  
0.3554

■ 84.2572, 94.8386,  
90.2088

■ 84.2572, 94.8386,  
90.2088

■ 73.7452, 89.8081,  
72.1606

95.0500, 100.0000,  
108.9000

■ 64.7011, 85.4762,  
56.8055

■ 57.0602, 81.8123,  
44.0158

■ 50.7519, 78.7831,  
33.6515

■ 45.6996, 76.3525,  
25.5597

■ 41.8188, 74.4804,  
19.5696

■ 39.0144, 73.1221,  
15.4867

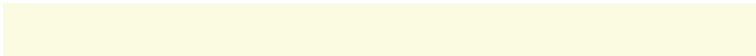
■ 37.1763, 72.2259,  
13.0803

■ 36.1613, 71.7253,  
12.0103

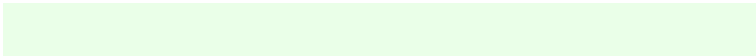
# Harmonies

## Analogous

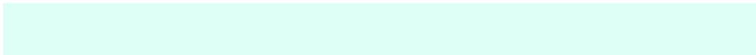
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3424, 94.8386, 84.1470



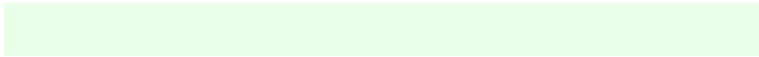
84.2572, 94.8386, 90.2088



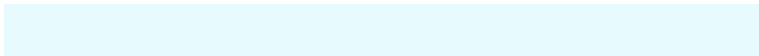
82.7591, 94.8386, 100.0938

# Triad

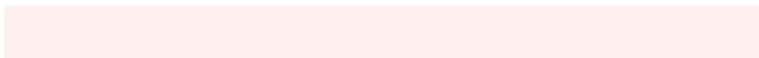
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2572, 94.8386, 90.2088



89.0277, 94.8386, 126.5721



97.4662, 94.8386, 95.3730

# Complementary

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



84.2572, 94.8386, 90.2088



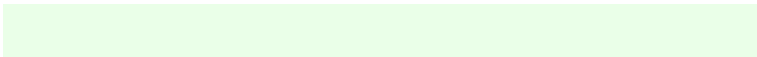
87.4153, 85.8170, 106.5648

# 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.



97.9498, 94.8386, 106.4986



84.2572, 94.8386, 90.2088



92.9992, 94.8386, 125.0750

# Square

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



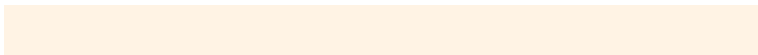
84.2572, 94.8386, 90.2088



85.4597, 94.8386, 121.4714



96.2930, 94.8386, 117.5197

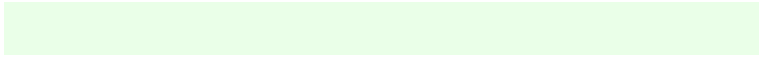


94.9907, 94.8386, 86.9718



# Rectangle

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



84.2572, 94.8386, 90.2088



82.8305, 94.8386, 107.7553



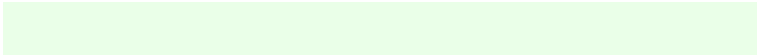
96.2930, 94.8386, 117.5197



97.8700, 94.8386, 98.8975

# Sweetspot

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



84.2580, 94.8390, 90.2103



91.3194, 98.2163, 102.4237



90.8365, 97.1477, 90.3092



19.3378, 20.9227, 21.5618



0.0000, 0.0000, 0.0000

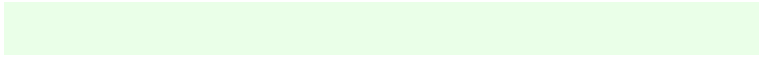


20.3446, 21.4041, 23.3091

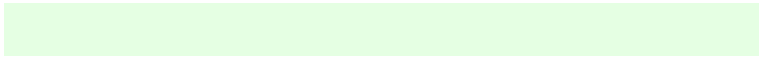


# Same Dimension

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



84.2580, 94.8390, 90.2103



82.0556, 93.7854, 86.4145



84.9466, 95.0390, 97.2439



17.9179, 20.2436, 19.1074



18.9100, 37.4865, 6.2390



1.8887, 3.6744, 0.6097



# Inverse Universe

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



87.4153, 85.8170, 106.5648



85.8538, 82.9312, 106.0901



86.7011, 85.6159, 98.9844



18.6277, 18.2153, 22.7841



27.0257, 12.8427, 50.4891



2.6753, 1.2731, 4.9180



# Previews

## White Background



This preview shows how the XYZ color 84.2572, 94.8386, 90.2088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

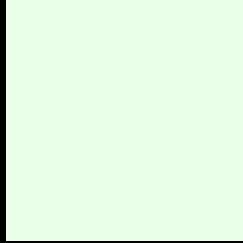
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.2572, 94.8386, 90.2088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

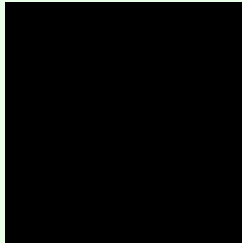
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

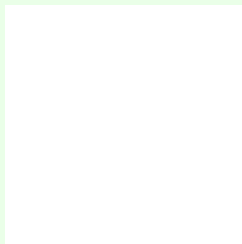
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.2572, 94.8386, 90.2088**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.2572, 94.8386, 90.2088.



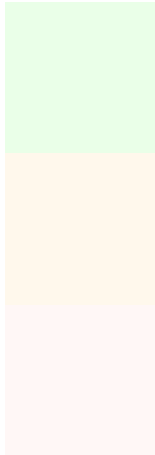
This preview shows how white text looks on a background with the XYZ color 84.2572, 94.8386,

90.288.

# 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

84.2572, 94.8386, 90.2088

### Protanopia

89.9477, 94.4509, 92.8470

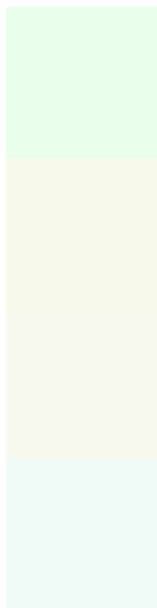
### Deuteranopia

91.1353, 94.4353, 100.6133

## Tritanopia

89.9317, 94.5642, 108.1205

# Trichromacy



## Original Color

84.2572, 94.8386, 90.2088

## Protanomaly

87.8503, 94.7667, 92.2589

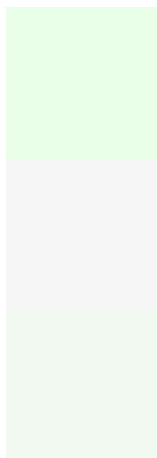
## Deuteranomaly

88.4206, 94.4962, 96.7984

## Tritanomaly

87.9036, 94.5870, 101.6198

# Monochromacy



## Original Color

84.2572, 94.8386, 90.2088

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.3708, 92.9795, 96.6137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2572, 94.8386, 90.2088 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, 232) looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2572, 94.8386, 90.2088 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, 232) }
```



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

```
.border{ border-color:rgb(234, 255, 232) }
```

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, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2572, 94.8386, 90.2088 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, 232) }
```

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

```
.background{ background-color: rgb(234,  
255, 232) }
```

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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