

# Converting Colors

XYZ(85.9094, 95.6894, 90.3273)

Have a look what the booklet for  
XYZ(85.9094, 95.6894, 90.3273)  
contains.

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# Color

**XYZ(85.9221, 95.6969,  
90.2867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFE8
RGB	239, 255, 232
RGB Percent	94%, 100%, 91%
CMY	0.0627, 0.0000, 0.0902
CMYK	0.06, 0.00, 0.09, 0.00
HSL	102°, 100%, 95%
HSV	102°, 9%, 100%
XYZ	85.9221, 95.6969, 90.2867
YIQ	247.5940, -2.1530, -10.5450

# Conversions

## Conversions Part 2

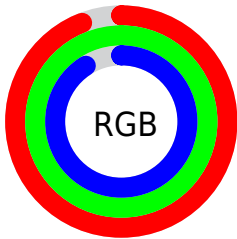
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 255, 248
Decimal	15728616
CIE <sub>Lab</sub>	98.31, -9.26, 9.19
CIE <sub>LCh</sub>	98, 13.052, 135.223
Yxy	95.6969, 0.3160, 0.3519
Android (android.graphics.Color)	4293918696 (0xFFEFFFEE8)
YUV	247.5940, -7.6878, -7.5369
Hunter-Lab	97.8248, -14.4121, 13.7561

# Details

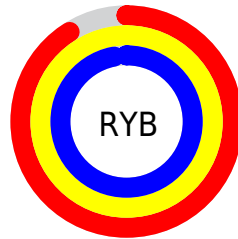
The XYZ color **85.9221, 95.6969, 90.2867** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6187, 84.8908, 106.4807**, and the grayscale version is **88.9532, 93.5857, 101.9148**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5590, 53.5900, 48.9116** is the 20% darker color. If you saturate the color by 10%, you get **76.8605, 91.4141, 72.3064**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



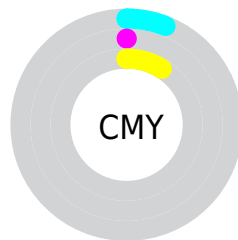
- Red (94%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (97%)



- Cyan (6%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.9221, 95.6969, 90.2867 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 85.9221, 95.6969, 90.2867 by changing the saturation by 10% instead.



 85.9221, 95.6969,  
90.2867

 85.9221, 95.6969,  
90.2867


503.1121,  
546.3936, 549.5572

 64.9286, 72.7151,  
67.6434


140.5682,  
155.2270, 149.6756

 47.6677, 53.7431,  
49.1428


174.9515,  
192.5442, 187.2582

 33.7739, 38.3963,  
34.3664


214.5287,  
235.4087, 230.6577

 22.8821, 26.2904,  
22.8956

259.6653,  
284.2048, 280.2926

 14.6267, 17.0410,  
14.3118

310.7266,  
339.3169, 336.5815

 8.6424, 10.2637,  
8.1966

368.0779,

 4.5639, 5.5742,

401.1295, 399.9429

4.1315

432.0847,  
470.0270, 470.7952

■ 2.0258, 2.5879,  
1.6977

■ 0.6484, 0.9206,  
0.3592

■ 85.9221, 95.6969,  
90.2867

■ 85.9221, 95.6969,  
90.2867

■ 76.8605, 91.4141,  
72.3064

95.0500, 100.0000,  
108.9000

■ 68.8721, 87.6264,  
57.0007

■ 61.9160, 84.3156,  
44.2430

■ 55.9476, 81.4616,  
33.8947

■ 50.9185, 79.0429,  
25.8039

■ 46.7761, 77.0360,  
19.8016

■ 43.4619, 75.4149,  
15.6949

■ 40.9090, 74.1502,  
13.2550

■ 39.0274, 73.2028,  
12.1445

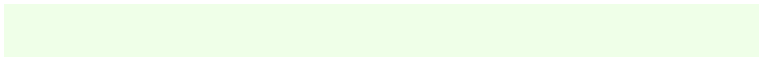
# Harmonies

## Analogous

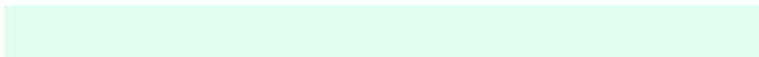
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0723, 95.6969, 85.4726



85.9221, 95.6969, 90.2867



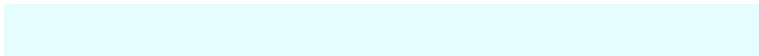
84.1456, 95.6969, 99.0064

# Triad

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



85.9221, 95.6969, 90.2867



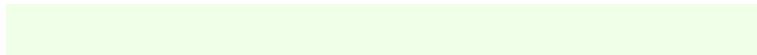
89.1259, 95.6969, 125.5225



98.1112, 95.6969, 98.8563

# Complementary

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



85.9221, 95.6969, 90.2867



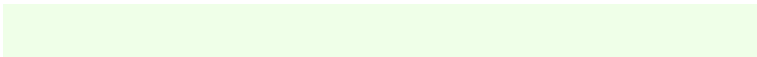
85.6187, 84.8908, 106.4807

# Split Complementary

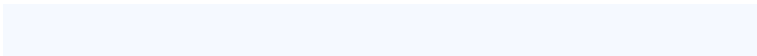
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.1265, 95.6969, 109.5673



85.9221, 95.6969, 90.2867



92.8681, 95.6969, 125.4753

# Square

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



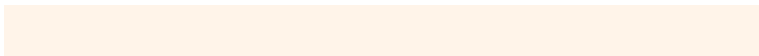
85.9221, 95.6969, 90.2867



85.9604, 95.6969, 119.5935



96.1849, 95.6969, 119.4688



96.1437, 95.6969, 90.1833

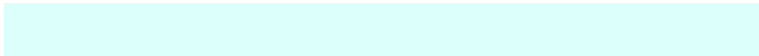


# Rectangle

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



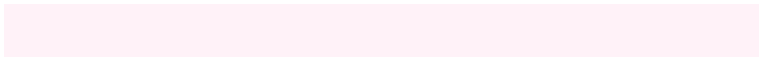
85.9221, 95.6969, 90.2867



83.9472, 95.6969, 106.0933



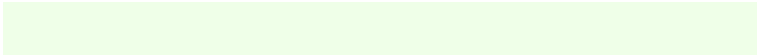
96.1849, 95.6969, 119.4688



98.3466, 95.6969, 102.3247

# Sweetspot

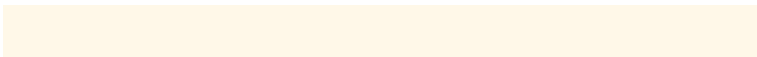
The Sweet Spot groups the original color and five complimentary colors.



85.9229, 95.6973, 90.2882



91.9117, 98.5216, 102.4514



89.2863, 94.0474, 89.7924



19.4971, 21.0048, 21.5693



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

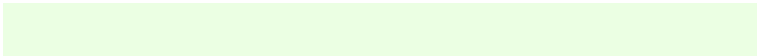


# Same Dimension

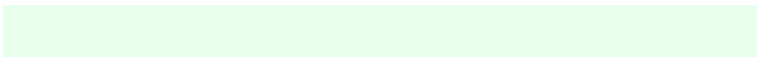
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9229, 95.6973, 90.2882



84.0402, 94.8085, 86.5073



84.2114, 94.7449, 93.3724



18.2914, 20.4361, 19.1248



20.4424, 38.2765, 6.3107



2.0958, 3.7812, 0.6194



# Inverse Universe

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



85.6187, 84.8908, 106.4807



83.6740, 81.8075, 105.9881



87.4756, 85.9257, 103.0630



18.2230, 18.0067, 22.7651



19.1111, 8.7626, 50.1187

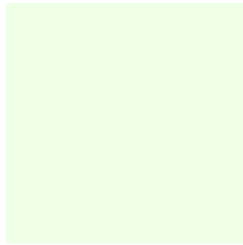


1.9720, 0.9105, 4.8851



# Previews

## White Background



This preview shows how the XYZ color 85.9221, 95.6969, 90.2867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

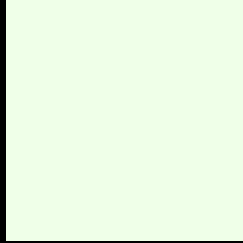
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.9221, 95.6969, 90.2867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

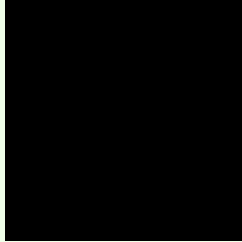
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

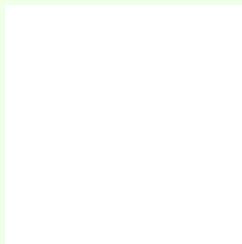
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.9221, 95.6969, 90.2867

## Background



This preview shows how black text looks on a background with the XYZ color 85.9221, 95.6969, 90.2867.



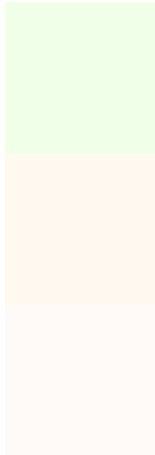
This preview shows how white text looks on a background with the XYZ color 85.9221, 95.6969,

90.2867.

# 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

85.9221, 95.6969, 90.2867

### Protanopia

90.6957, 95.2434, 95.2650

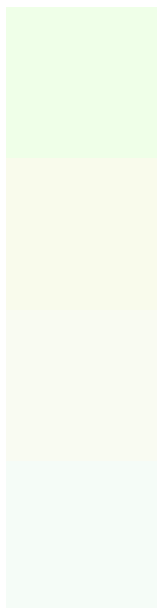
### Deuteranopia

92.0590, 95.7887, 102.4440

## **Tritanopia**

91.3025, 95.7310, 108.2735

# Trichromacy



## Original Color

85.9221, 95.6969, 90.2867

## Protanomaly

88.7044, 95.1902, 93.0552

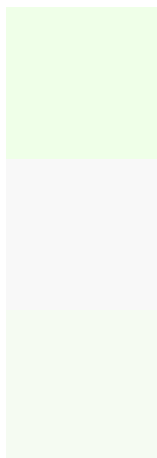
## Deuteranomaly

89.5911, 95.5449, 97.7245

## Tritanomaly

89.2551, 95.7487, 101.7728

# Monochromacy



## Original Color

85.9221, 95.6969, 90.2867

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.1804, 94.8176, 97.6584

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.9221, 95.6969, 90.2867 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(239, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 85.9221, 95.6969, 90.2867 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(239, 255, 232) }
```



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

```
.border{ border-color:rgb(239, 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(239, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.9221, 95.6969, 90.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 232) }
```

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

```
.background{ background-color: rgb(239,  
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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