

# Converting Colors

XYZ(87.5498, 100.0000,  
90.5575)

Have a look what the booklet for  
XYZ(87.5498, 100.0000, 90.5575)  
contains.

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# Color

**XYZ(85.1089, 95.2940,  
89.5092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFE7
RGB	237, 255, 231
RGB Percent	93%, 100%, 91%
CMY	0.0706, 0.0000, 0.0941
CMYK	0.07, 0.00, 0.09, 0.00
HSL	105°, 100%, 95%
HSV	105°, 9%, 100%
XYZ	85.1089, 95.2940, 89.5092
YIQ	246.8820, -3.0240, -11.2800

# Conversions

## Conversions Part 2

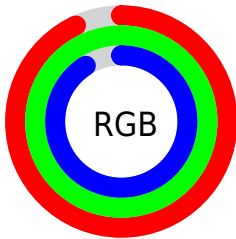
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 255, 249
Decimal	15597543
CIE Lab	98.15, -10.10, 9.46
CIE LCh	98, 13.838, 136.890
Yxy	95.2940, 0.3153, 0.3531
Android (android.graphics.Color)	4293787623 (0xFFEDFFE7)
YUV	246.8820, -7.8298, -8.6665
Hunter-Lab	97.6186, -15.2073, 13.9684

# Details

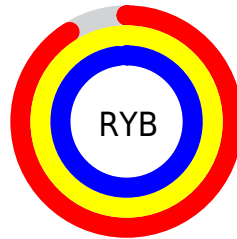
The XYZ color **85.1089, 95.2940, 89.5092** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6935, 84.5127, 106.4038**, and the grayscale version is **88.3751, 92.9775, 101.2525**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9880, 53.3071, 48.3702** is the 20% darker color. If you saturate the color by 10%, you get **75.7168, 90.8385, 71.6187**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

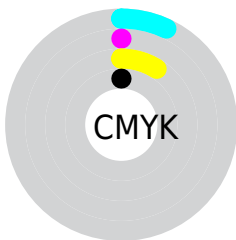
# Distribution



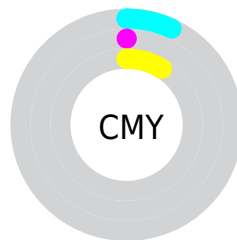
- Red (93%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (98%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1089, 95.2940, 89.5092 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 85.1089, 95.2940, 89.5092 by changing the saturation by 10% instead.




 85.1089, 95.2940,  
89.5092

 85.1089, 95.2940,  
89.5092


500.4666,  
545.1058, 546.9619

 64.2542, 72.3797,  
67.0022

139.4386,  
154.6707, 148.5860

 47.1190, 53.4689,  
48.6248

173.6442,  
191.9019, 185.9930

 33.3381, 38.1772,  
33.9585


213.0308,  
234.6742, 229.2036

 22.5460, 26.1203,  
22.5846

257.9638,  
283.3720, 278.6366

 14.3775, 16.9136,  
14.0847

308.8086,  
338.3796, 334.7103

 8.4672, 10.1729,  
8.0402

365.9303,

 4.4496, 5.5138,

400.0815, 397.8434

4.0325

429.6946,  
468.8621, 468.4544

■ 1.9595, 2.5517,  
1.6432

■ 0.6111, 0.9025,  
0.3214

■ 85.1089, 95.2940,  
89.5092

■ 85.1089, 95.2940,  
89.5092

■ 75.7168, 90.8385,  
71.6187

95.0500, 100.0000,  
108.9000

■ 67.4859, 86.9236,  
56.4021

■ 60.3704, 83.5285,  
43.7323

■ 54.3205, 80.6305,  
33.4698

■ 49.2823, 78.2053,  
25.4621

■ 45.1971, 76.2262,  
19.5391

■ 41.9994, 74.6636,  
15.5063

■ 39.6143, 73.4841,  
13.1330

■ 37.9402, 72.6430,  
12.0650

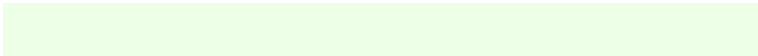
# Harmonies

## Analogous

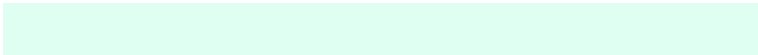
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3719, 95.2940, 84.1944



85.1089, 95.2940, 89.5092



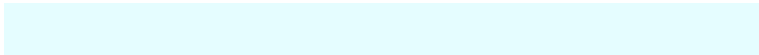
83.3333, 95.2940, 98.8735

# Triad

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



85.1089, 95.2940, 89.5092



88.8518, 95.2940, 126.5675



98.0850, 95.2940, 97.5294

# Complementary

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



85.1089, 95.2940, 89.5092



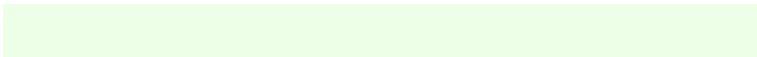
85.6935, 84.5127, 106.4038

# Split Complementary

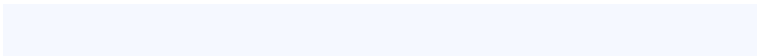
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.2226, 95.2940, 108.8028



85.1089, 95.2940, 89.5092



92.8125, 95.2940, 126.1414

# Square

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



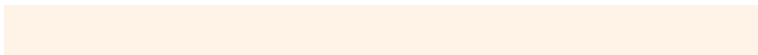
85.1089, 95.2940, 89.5092



85.4513, 95.2940, 120.5708



96.2684, 95.2940, 119.4461

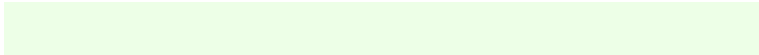


95.8976, 95.2940, 88.5874

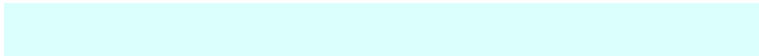


# Rectangle

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



85.1089, 95.2940, 89.5092



83.1972, 95.2940, 106.4067



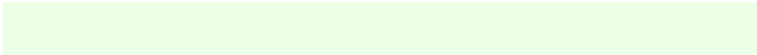
96.2684, 95.2940, 119.4461



98.3747, 95.2940, 101.1556

# Sweetspot

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



85.1097, 95.2944, 89.5107



91.7632, 98.4451, 102.4445



89.4164, 94.5343, 89.1370



19.4571, 20.9842, 21.5674



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

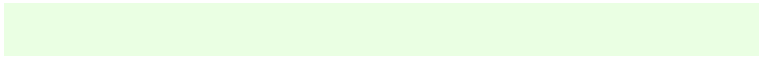


# Same Dimension

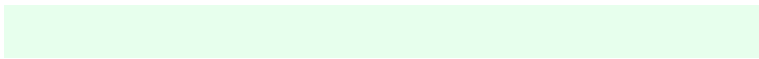
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1097, 95.2944, 89.5107



83.5377, 94.5494, 86.4838



83.9435, 94.6004, 93.6513



18.1970, 20.3875, 19.1204



19.8955, 37.9946, 6.2851



2.0320, 3.7483, 0.6164



# Inverse Universe

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



85.6935, 84.5127, 106.4038



84.2123, 82.0850, 106.0133



86.9779, 85.2775, 101.8263



18.3231, 18.0583, 22.7698



20.8348, 9.6512, 50.1993



2.1284, 0.9911, 4.8924



# Previews

## White Background



This preview shows how the XYZ color 85.1089, 95.2940, 89.5092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

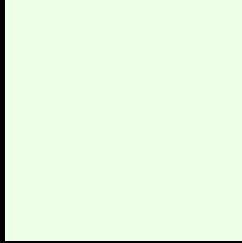
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.1089, 95.2940, 89.5092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

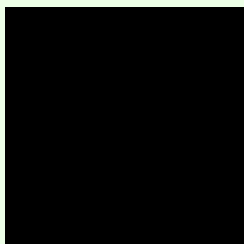
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

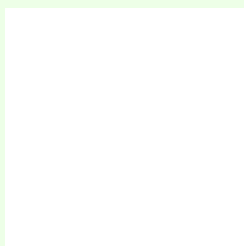
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.1089, 95.2940, 89.5092**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.1089, 95.2940, 89.5092.



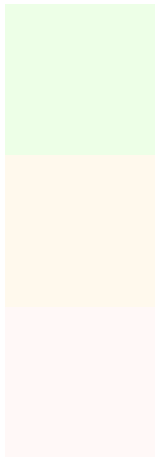
This preview shows how white text looks on a background with the XYZ color 85.1089, 95.2940,

89.5 92.

# 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

85.1089, 95.2940, 89.5092

### Protanopia

90.4017, 95.1258, 93.7172

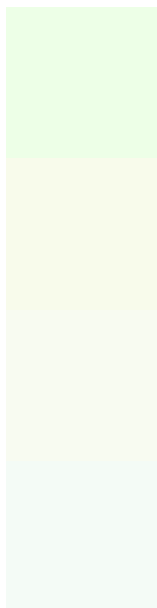
### Deuteranopia

91.5959, 95.1102, 101.5262

## **Tritanopia**

90.6371, 94.9278, 108.1536

# Trichromacy



## Original Color

85.1089, 95.2940, 89.5092

## Protanomaly

88.2040, 94.9490, 92.2754

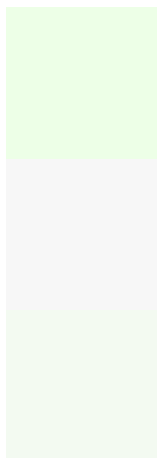
## Deuteranomaly

89.0858, 95.3017, 96.9188

## Tritanomaly

88.4400, 94.8813, 100.8414

# Monochromacy



## Original Color

85.1089, 95.2940, 89.5092

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.0249, 93.7768, 96.7331

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.1089, 95.2940, 89.5092 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(237, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 231)  
}
```

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(237, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 85.1089, 95.2940, 89.5092 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(237, 255, 231) }
```



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

```
.border{ border-color:rgb(237, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.1089, 95.2940, 89.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 231) }
```

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

```
.background{ background-color: rgb(237,  
255, 231) }
```

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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