

# Converting Colors

XYZ(85.0836, 95.3054, 88.4088)

Have a look what the booklet for  
XYZ(85.0836, 95.3054, 88.4088)  
contains.

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# Color

**XYZ(85.3028, 95.4103,  
88.7830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFFE6
RGB	238, 255, 230
RGB Percent	93%, 100%, 90%
CMY	0.0667, 0.0000, 0.0980
CMYK	0.07, 0.00, 0.10, 0.00
HSL	101°, 100%, 95%
HSV	101°, 10%, 100%
XYZ	85.3028, 95.4103, 88.7830
YIQ	247.0670, -2.1070, -11.3790

# Conversions

## Conversions Part 2

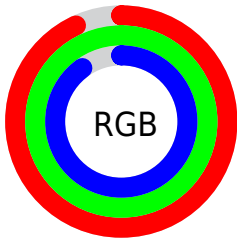
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 255, 247
Decimal	15663078
CIE Lab	98.20, -9.94, 10.04
CIE LCh	98, 14.129, 134.689
Yxy	95.4103, 0.3165, 0.3540
Android (android.graphics.Color)	4293853158 (0xFFEEFFE6)
YUV	247.0670, -8.4140, -7.9518
Hunter-Lab	97.6782, -15.0520, 14.4841

# Details

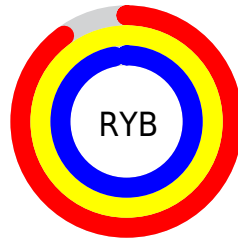
The XYZ color **85.3028, 95.4103, 88.7830** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.7053, 83.5890, 106.2776**, and the grayscale version is **88.5295, 93.1399, 101.4294**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1255, 53.3892, 47.8658** is the 20% darker color. If you saturate the color by 10%, you get **76.4352, 91.2228, 71.0221**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

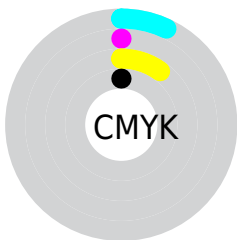
# Distribution



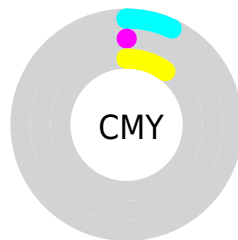
- Red (93%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (97%)



- Cyan (7%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3028, 95.4103, 88.7830 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 85.3028, 95.4103, 88.7830 by changing the saturation by 10% instead.




 85.3028, 95.4103,  
88.7830

 85.3028, 95.4103,  
88.7830


501.0981,  
545.4777, 544.5316

 64.4149, 72.4765,  
66.4037


139.7080,  
154.8313, 147.5675

 47.2498, 53.5480,  
48.1416


173.9561,  
192.0874, 184.8097

 33.4419, 38.2404,  
33.5783


213.3882,  
234.8863, 227.8434

 22.6261, 26.1694,  
22.2951

258.3698,  
283.6124, 277.0870

 14.4368, 16.9504,  
13.8735

309.2663,  
338.6503, 332.9591

 8.5088, 10.1991,  
7.8950

366.4429,

 4.4767, 5.5312,

400.3842, 395.8782

3.9410

430.2650,  
469.1985, 466.2628

■ 1.9752, 2.5622,  
1.5930

■ 0.6200, 0.9077,  
0.2858

■ 85.3028, 95.4103,  
88.7830

■ 85.3028, 95.4103,  
88.7830

■ 76.4352, 91.2228,  
71.0221

95.0500, 100.0000,  
108.9000

■ 68.6131, 87.5164,  
55.9249

■ 61.7965, 84.2733,  
43.3642

■ 55.9418, 81.4740,  
33.2004

■ 51.0018, 79.0975,  
25.2805

■ 46.9250, 77.1210,  
19.4342

■ 43.6540, 75.5192,  
15.4662

■ 41.1229, 74.2631,  
13.1442

■ 39.2373, 73.3123,  
12.0971

# Harmonies

## Analogous

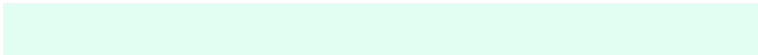
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7187, 95.4103, 83.7186



85.3028, 95.4103, 88.7830



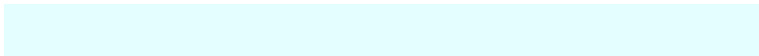
83.3592, 95.4103, 98.0913

# Triad

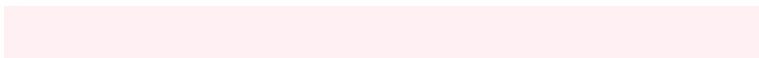
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3028, 95.4103, 88.7830



88.6382, 95.4103, 126.9844



98.4503, 95.4103, 98.3169

# Complementary

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



85.3028, 95.4103, 88.7830



84.7053, 83.5890, 106.2776

# Split Complementary

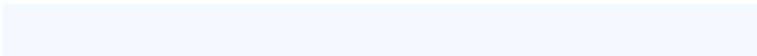
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4272, 95.4103, 109.9037



85.3028, 95.4103, 88.7830



92.6793, 95.4103, 127.0562

# Square

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



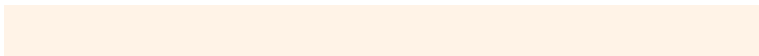
85.3028, 95.4103, 88.7830



85.2453, 95.4103, 120.4213



96.2882, 95.4103, 120.6106



96.3505, 95.4103, 88.9375

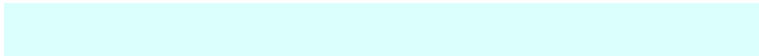


# Rectangle

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



85.3028, 95.4103, 88.7830



83.1221, 95.4103, 105.7248



96.2882, 95.4103, 120.6106



98.6925, 95.4103, 102.0679

# Sweetspot

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



85.3035, 95.4107, 88.7845



91.9546, 98.5437, 102.4534



88.6823, 93.2915, 88.1973



19.5086, 21.0108, 21.5698



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

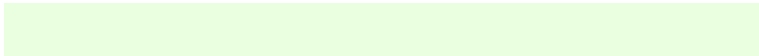


# Same Dimension

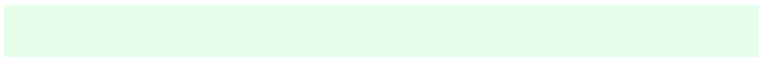
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3035, 95.4107, 88.7845



83.2636, 94.4485, 84.6477



83.2692, 94.2935, 91.7804



18.3187, 20.4502, 19.1261



20.6222, 38.3692, 6.3191



2.1160, 3.7916, 0.6203



# Inverse Universe

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



84.7053, 83.5890, 106.2776



82.5421, 80.1965, 105.7368



86.9237, 84.8093, 102.9178



18.1943, 17.9919, 22.7638



18.6451, 8.5224, 50.0969

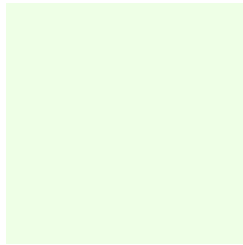


1.9293, 0.8885, 4.8831



# Previews

## White Background



This preview shows how the XYZ color 85.3028, 95.4103, 88.7830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

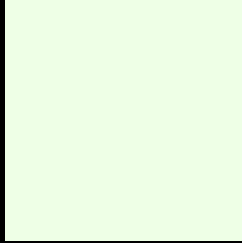
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.3028, 95.4103, 88.7830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

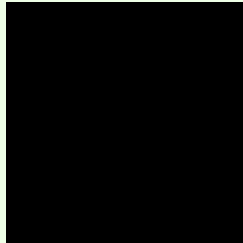
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

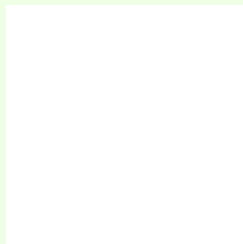
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.3028, 95.4103, 88.7830

## Background



This preview shows how black text looks on a background with the XYZ color 85.3028, 95.4103, 88.7830.



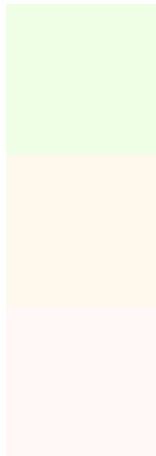
This preview shows how white text looks on a background with the XYZ color 85.3028, 95.4103,

88.7830.

# 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

85.3028, 95.4103, 88.7830

### Protanopia

90.4017, 95.1258, 93.7172

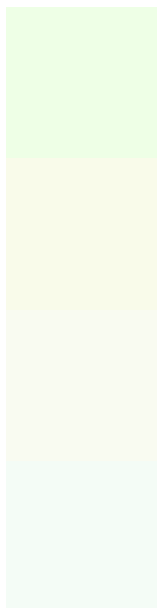
### Deuteranopia

91.5959, 95.1102, 101.5262

## **Tritanopia**

90.9470, 95.5477, 108.2569

# Trichromacy



## Original Color

85.3028, 95.4103, 88.7830

## Protanomaly

88.4154, 95.0746, 91.5331

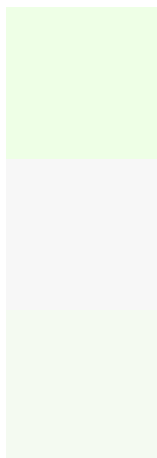
## Deuteranomaly

89.4413, 95.4850, 96.9355

## Tritanomaly

88.7532, 95.5077, 100.9458

# Monochromacy



## Original Color

85.3028, 95.4103, 88.7830

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.3710, 93.9552, 96.7493

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.3028, 95.4103, 88.7830 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(238, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 230)  
}
```

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(238, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 85.3028, 95.4103, 88.7830 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(238, 255, 230) }
```



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

```
.border{ border-color:rgb(238, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.3028, 95.4103, 88.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 230) }
```

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

```
.background{ background-color: rgb(238,  
255, 230) }
```

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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