

# Converting Colors

XYZ(85.2038, 95.4234, 85.8808)

Have a look what the booklet for  
XYZ(85.2038, 95.4234, 85.8808)  
contains.

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# **Color**

**XYZ(85.0841, 95.3617,  
85.8737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFE2
RGB	239, 255, 226
RGB Percent	94%, 100%, 89%
CMY	0.0627, 0.0000, 0.1137
CMYK	0.06, 0.00, 0.11, 0.00
HSL	93°, 100%, 94%
HSV	93°, 11%, 100%
XYZ	85.0841, 95.3617, 85.8737
YIQ	246.9100, -0.2270, -12.4110

# Conversions

## Conversions Part 2

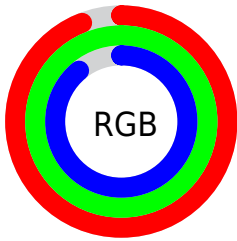
Format	Color
R <sub>Y</sub> B	226, 255, 242
Decimal	15728610
CIE Lab	98.18, -10.27, 12.08
CIE LCh	98, 15.849, 130.369
Yxy	95.3617, 0.3195, 0.3581
Android (android.graphics.Color)	4293918690 (0xFFEFFFEE2)
YUV	246.9100, -10.3086, -6.9371
Hunter-Lab	97.6533, -15.3685, 16.2193

# Details

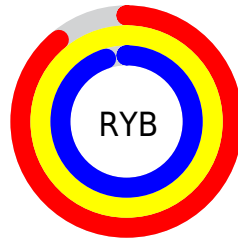
The XYZ color **85.0841, 95.3617, 85.8737** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **81.8650, 80.4911, 105.8293**, and the grayscale version is **88.4157, 93.0202, 101.2990**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0732, 53.3957, 46.3535** is the 20% darker color. If you saturate the color by 10%, you get **77.2745, 91.7104, 68.5807**, and if you desaturate by 10%, it is **93.7854, 99.4125, 105.9277**.

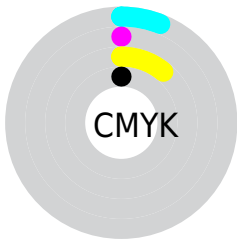
# Distribution



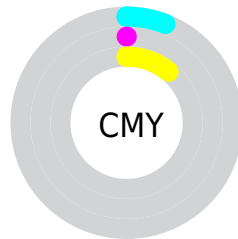
- Red (94%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (95%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.0841, 95.3617, 85.8737 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 85.0841, 95.3617, 85.8737 by changing the saturation by 10% instead.




 85.0841, 95.3617,  
85.8737

 85.0841, 95.3617,  
85.8737


500.3858,  
545.3223, 534.7345

 64.2336, 72.4361,  
64.0092

139.4041,  
154.7642, 143.4782

 47.1023, 53.5150,  
46.2119


173.6043,  
192.0099, 180.0553

 33.3248, 38.2140,  
32.0632


212.9851,  
234.7976, 222.3738

 22.5358, 26.1488,  
21.1446

257.9119,  
283.5120, 270.8521

 14.3699, 16.9350,  
13.0374

308.7500,  
338.5372, 325.9087

 8.4618, 10.1882,  
7.3233

365.8648,

 4.4461, 5.5239,

400.2577, 387.9623

3.5836

429.6216,  
469.0579, 457.4314

■ 1.9575, 2.5578,  
1.3998

■ 0.6099, 0.9055,  
0.1416

■ 85.0841, 95.3617,  
85.8737

■ 85.0841, 95.3617,  
85.8737

■ 77.2745, 91.7104,  
68.5807

■ 93.7854, 99.4125,  
105.9277

■ 70.3231, 88.4441,  
53.9234

■ 95.0500, 100.0000,  
108.9000

■ 64.1974, 85.5487,  
41.7733

■ 58.8618, 83.0091,  
31.9894

■ 54.2774, 80.8086,  
24.4168

■ 50.4016, 78.9291,  
18.8821

■ 47.1865, 77.3501,  
15.1858

■ 44.5759, 76.0480,  
13.0885

■ 42.7403, 75.1185,  
12.2467

# Harmonies

## Analogous

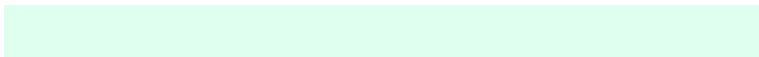
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0714, 95.3617, 81.0658



85.0841, 95.3617, 85.8737



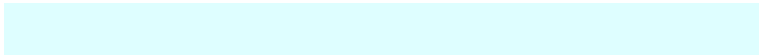
82.6383, 95.3617, 95.6332

# Triad

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



85.0841, 95.3617, 85.8737



87.7283, 95.3617, 129.2901



99.5279, 95.3617, 99.3839

# Complementary

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



85.0841, 95.3617, 85.8737



81.8650, 80.4911, 105.8293

# Split Complementary

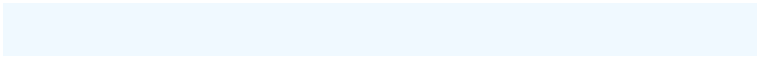
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.1389, 95.3617, 112.4880



85.0841, 95.3617, 85.8737



92.2237, 95.3617, 130.5069

# Square

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



85.0841, 95.3617, 85.8737



84.1292, 95.3617, 120.9381



96.4294, 95.3617, 124.1357

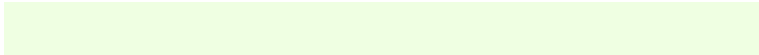


97.4751, 95.3617, 88.4213

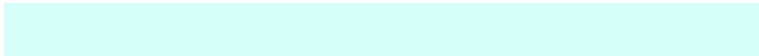


# Rectangle

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



85.0841, 95.3617, 85.8737



82.1609, 95.3617, 103.9944



96.4294, 95.3617, 124.1357



99.6800, 95.3617, 103.6712

# Sweetspot

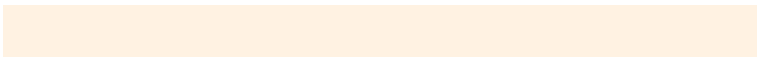
The Sweet Spot groups the original color and five complimentary colors.



85.0848, 95.3621, 85.8751



92.3068, 98.7253, 102.4699



86.7052, 90.2261, 84.7984



19.6035, 21.0597, 21.5743



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

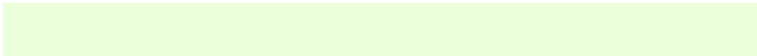


# Same Dimension

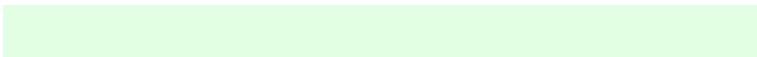
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0848, 95.3621, 85.8751



82.9471, 94.3642, 81.0674



81.0522, 93.2601, 86.7295



18.5447, 20.5667, 19.1367



22.4988, 39.3366, 6.4069



2.3142, 3.8938, 0.6296



# Inverse Universe

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



81.8650, 80.4911, 105.8293



79.0551, 76.3898, 105.1858



86.2543, 82.7807, 104.8208



17.9612, 17.8717, 22.7529



15.3179, 6.8071, 49.9411

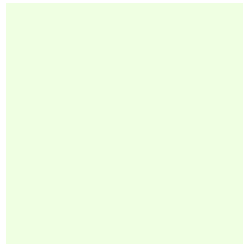


1.6173, 0.7277, 4.8685



# Previews

## White Background



This preview shows how the XYZ color 85.0841, 95.3617, 85.8737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

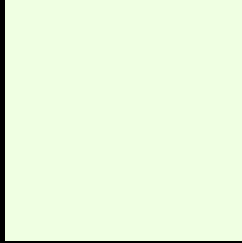
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.0841, 95.3617, 85.8737 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

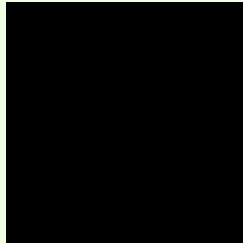
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

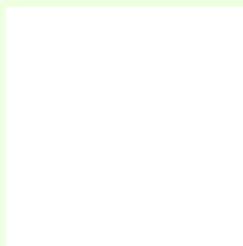
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.0841, 95.3617, 85.8737**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.0841, 95.3617, 85.8737.



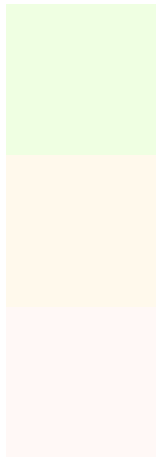
This preview shows how white text looks on a background with the XYZ color 85.0841, 95.3617,

85.8737.

# 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

85.0841, 95.3617, 85.8737

### Protanopia

90.2560, 95.0675, 92.9497

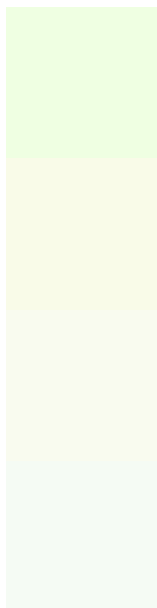
### Deuteranopia

91.4420, 95.0486, 100.7155

## **Tritanopia**

90.6371, 94.9278, 108.1536

# Trichromacy



## Original Color

85.0841, 95.3617, 85.8737

## Protanomaly

88.1296, 94.9603, 90.0282

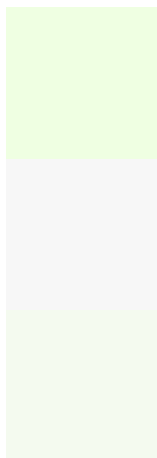
## Deuteranomaly

89.1441, 95.3661, 95.3705

## Tritanomaly

88.4825, 94.9385, 99.2494

# Monochromacy



## Original Color

85.0841, 95.3617, 85.8737

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.0738, 93.8363, 95.1843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.0841, 95.3617, 85.8737 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 85.0841, 95.3617, 85.8737 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, 226) }
```



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

```
.border{ border-color:rgb(239, 255, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.0841, 95.3617, 85.8737 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, 226) }
```

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

```
.background{ background-color: rgb(239,  
255, 226) }
```

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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