

# Converting Colors

XYZ(83.8490, 88.7414, 83.9450)

Have a look what the booklet for  
XYZ(83.8490, 88.7414, 83.9450)  
contains.

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# Color

**XYZ(84.0541, 88.8970,  
83.9629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F2E1
RGB	248, 242, 225
RGB Percent	97%, 95%, 88%
CMY	0.0274, 0.0510, 0.1176
CMYK	0.00, 0.02, 0.09, 0.03
HSL	44°, 62%, 93%
HSV	44°, 9%, 97%
XYZ	84.0541, 88.8970, 83.9629
YIQ	241.8560, 9.0330, -4.0150

# Conversions

## Conversions Part 2

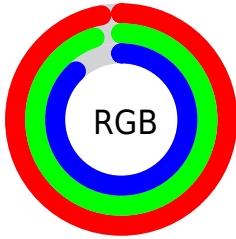
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 248, 225
Decimal	16315105
CIE Lab	95.54, -0.84, 8.90
CIE LCh	96, 8.942, 95.362
Yxy	88.8970, 0.3272, 0.3460
Android (android.graphics.Color)	4294505185 (0xFF8F2E1)
YUV	241.8560, -8.3100, 5.3883
Hunter-Lab	94.2852, -5.8686, 13.2007

# Details

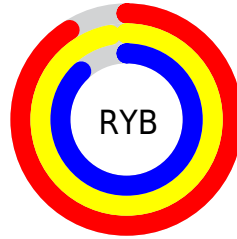
The XYZ color **84.0541, 88.8970, 83.9629** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.5703, 79.9351, 100.2010**, and the grayscale version is **84.3450, 88.7375, 96.6351**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5528, 49.2266, 45.0783** is the 20% darker color. If you saturate the color by 10%, you get **79.0244, 83.8637, 66.7896**, and if you desaturate by 10%, it is **89.6482, 94.2707, 103.7508**.

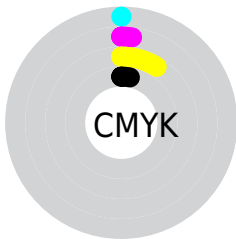
# Distribution



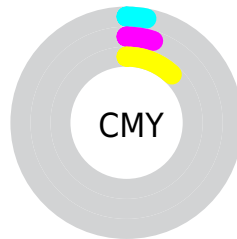
- Red (97%)
- Green (95%)
- Blue (88%)



- Red (91%)
- Yellow (97%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.0541, 88.8970, 83.9629 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 84.0541, 88.8970, 83.9629 by changing the saturation by 10% instead.



84.0541, 88.8970,  
83.9629

84.0541, 88.8970,  
83.9629

497.0238,  
524.4363, 528.2449

63.3800, 67.0662,  
62.4396

137.9717,  
145.8053, 140.7845

46.4085, 49.1384,  
44.9499

171.9459,  
181.6516, 176.9200

32.7743, 34.7293,  
31.0753

211.0842,  
222.9386, 218.7632

22.1120, 23.4544,  
20.3973

255.7518,  
270.0505, 266.7327

14.0563, 14.9294,  
12.4972

306.3143,  
323.3718, 321.2471

8.2418, 8.7699,  
6.9566

363.1369,

4.3031, 4.5914,

383.2870, 382.7249

3.3569

426.5849,  
450.1803, 451.5846

■ 1.8750, 2.0096,  
1.2797

■ 0.5623, 0.6130,  
0.0450

■ 84.0541, 88.8970,  
83.9629

■ 84.0541, 88.8970,  
83.9629

■ 79.0244, 83.8637,  
66.7896

■ 89.6482, 94.2707,  
103.7508

■ 74.5299, 79.1493,  
52.1138

■ 92.5008, 98.6549,  
108.7747

■ 70.5499, 74.7472,  
39.8181

■ 92.5217, 98.6966,  
108.7817

■ 67.0590, 70.6462,  
29.7733

■ 64.0297, 66.8341,  
21.8378

■ 61.4314, 63.2976,  
15.8541

■ 59.2292, 60.0214,  
11.6421

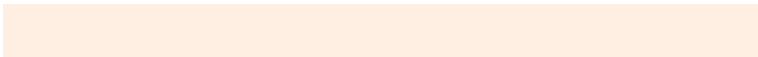
■ 57.3819, 56.9877,  
8.9883

■ 55.8265, 54.1703,  
7.5653

# Harmonies

## Analogous

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



86.4747, 88.8970, 85.0317



84.0541, 88.8970, 83.9629



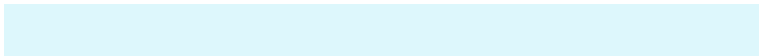
81.7946, 88.8970, 86.1944

# Triad

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



84.0541, 88.8970, 83.9629



80.7070, 88.8970, 104.8205



88.8523, 88.8970, 102.5326

# Complementary

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



84.0541, 88.8970, 83.9629



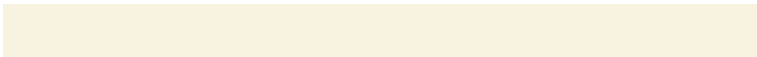
76.5703, 79.9351, 100.2010

# Split Complementary

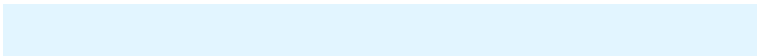
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2520, 88.8970, 108.2282



84.0541, 88.8970, 83.9629



82.5436, 88.8970, 109.5932

# Square

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



84.0541, 88.8970, 83.9629



79.8862, 88.8970, 98.0610



84.9353, 88.8970, 110.8693



89.2755, 88.8970, 95.5374

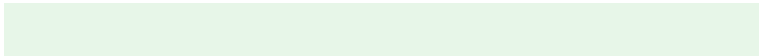


# Rectangle

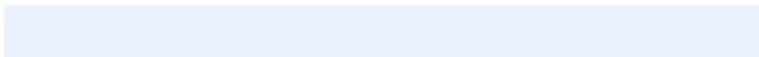
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0541, 88.8970, 83.9629



80.6739, 88.8970, 89.3200



84.9353, 88.8970, 110.8693



88.4327, 88.8970, 104.6731

# Sweetspot

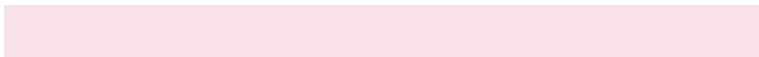
The Sweet Spot groups the original color and five complimentary colors.



84.0565, 88.9009, 83.9648



93.2098, 98.2514, 102.3309



80.0803, 79.5852, 86.8420



19.8475, 20.9310, 21.5366



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

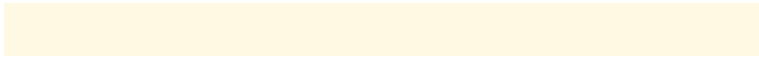


# Same Dimension

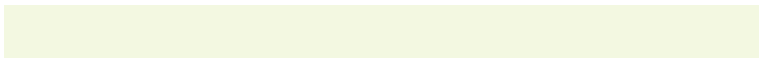
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0565, 88.9009, 83.9648



88.5700, 93.7468, 86.0637



83.9946, 91.5614, 84.4816



18.3221, 19.3801, 18.2374



30.2193, 29.3952, 4.0811



2.8847, 2.8942, 0.4066



# Inverse Universe

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



76.5703, 79.9351, 100.2010



79.2100, 82.5373, 106.3642



76.6206, 77.5128, 99.7308



16.6508, 17.3785, 21.8621



10.2588, 5.8732, 48.5665

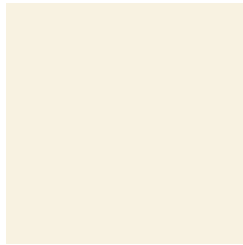


1.0323, 0.7082, 4.5255



# Previews

## White Background



This preview shows how the XYZ color 84.0541, 88.8970, 83.9629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

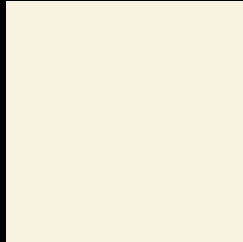
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.0541, 88.8970, 83.9629 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

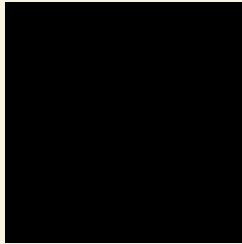
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.0541, 88.8970, 83.9629**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.0541, 88.8970, 83.9629.



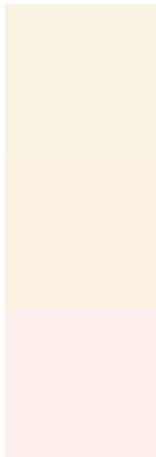
This preview shows how white text looks on a background with the XYZ color 84.0541, 88.8970,

83.9629.

# 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

84.0541, 88.8970, 83.9629

### Protanopia

84.8296, 88.8561, 83.9141

### Deuteranopia

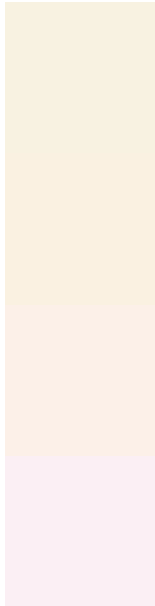
87.2468, 89.0491, 91.9467



## Tritanopia

88.7694, 89.0645, 107.1203

# Trichromacy



## Original Color

84.0541, 88.8970, 83.9629

## Protanomaly

84.4702, 88.6708, 83.8973

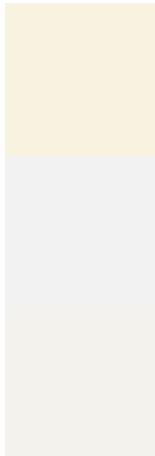
## Deuteranomaly

85.8705, 88.8418, 88.9663

## Tritanomaly

86.9793, 88.7739, 98.1387

# Monochromacy



## Original Color

84.0541, 88.8970, 83.9629

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.2007, 88.7935, 92.0579

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.0541, 88.8970, 83.9629 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(248, 242, 225) looks like.

```
.text, #text, p{  
    color:rgb(248, 242, 225)  
}
```

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(248, 242, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 242, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 84.0541, 88.8970, 83.9629 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(248, 242, 225) }
```



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

```
.border{ border-color:rgb(248, 242, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 242, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 242, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 242, 225);  
box-shadow:4px 4px 4px 4px rgb(248, 242,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.0541, 88.8970, 83.9629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 242, 225) }
```

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

```
.background{ background-color: rgb(248,  
242, 225) }
```

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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