

# Converting Colors

XYZ(85.4456, 84.4465, 94.4297)

Have a look what the booklet for  
XYZ(85.4456, 84.4465, 94.4297)  
contains.

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# Color

**XYZ(85.5441, 84.7031,  
94.2787)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7F0
RGB	255, 231, 240
RGB Percent	100%, 91%, 94%
CMY	0.0000, 0.0941, 0.0588
CMYK	0.00, 0.09, 0.06, 0.00
HSL	338°, 100%, 95%
HSV	338°, 9%, 100%
XYZ	85.5441, 84.7031, 94.2787
YIQ	239.2020, 11.4150, 7.8870

# Conversions

## Conversions Part 2

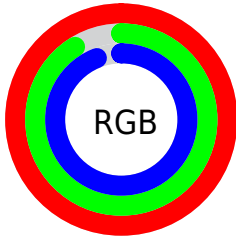
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 231, 240
Decimal	16771056
CIE <sub>Lab</sub>	93.76, 9.67, -1.39
CIE <sub>LCh</sub>	94, 9.766, 351.801
Yxy	84.7031, 0.3234, 0.3202
Android (android.graphics.Color)	4294961136 (0xFFFFE7F0)
YUV	239.2020, 0.3934, 13.8548
Hunter-Lab	92.0343, 4.8523, 3.6881

# Details

The XYZ color **85.5441, 84.7031, 94.2787** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.3522, 95.1640, 101.0623**, and the grayscale version is **82.1939, 86.4744, 94.1706**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2704, 46.1264, 51.7593** is the 20% darker color. If you saturate the color by 10%, you get **76.6555, 70.5503, 80.1422**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

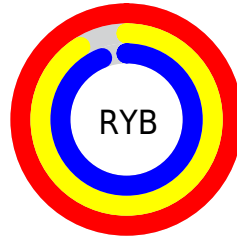
# Distribution



Red (100%)

Green (91%)

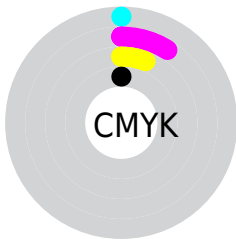
Blue (94%)



Red (100%)

Yellow (91%)

Blue (94%)

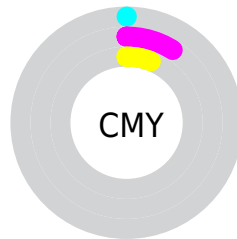


Cyan (0%)

Magenta (9%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5441, 84.7031, 94.2787 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 85.5441, 84.7031, 94.2787 by changing the saturation by 10% instead.




 85.5441, 84.7031,  
94.2787

 85.5441, 84.7031,  
94.2787

501.8833,  
510.6451, 562.7785

 64.6151, 63.5961,  
70.9412


140.0432,  
139.9583, 155.2547

 47.4125, 46.3236,  
51.8127


174.3440,  
174.8753, 193.7303

 33.5712, 32.5013,  
36.4746


213.8328,  
215.1643, 238.0891

 22.7257, 21.7447,  
24.5084

258.8748,  
261.2099, 288.7495

 14.5107, 13.6694,  
15.4955

309.8356,  
313.3964, 346.1301

 8.5608, 7.8911,  
9.0174

367.0803,

 4.5106, 4.0253,

372.1081, 410.6494

4.6555

430.9745,  
437.7296, 482.7260

■ 1.9949, 1.6877,  
1.9914

■ 0.6311, 0.4157,  
0.5500

■ 85.5441, 84.7031,  
94.2787

■ 85.5441, 84.7031,  
94.2787

■ 76.6555, 70.5503,  
80.1422

95.0500, 100.0000,  
108.9000

■ 68.9626, 58.4650,  
67.4032

■ 62.4139, 48.3524,  
56.0183

■ 56.9515, 40.1063,  
45.9396

■ 52.5124, 33.6101,  
37.1162

■ 49.0266, 28.7343,  
29.4933

■ 46.4149, 25.3311,  
23.0112

■ 44.5837, 23.2248,  
17.6035

■ 43.3927, 22.1473,  
13.1856

# Harmonies

## Analogous

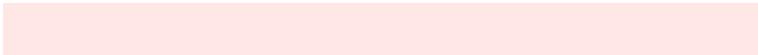
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4898, 84.7031, 101.3421



85.5441, 84.7031, 94.2787



85.2263, 84.7031, 87.0253

# Triad

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



85.5441, 84.7031, 94.2787



78.6703, 84.7031, 79.5947



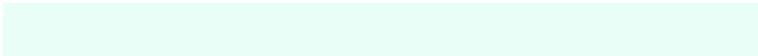
77.4637, 84.7031, 103.9099

# Complementary

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



85.5441, 84.7031, 94.2787



85.3522, 95.1640, 101.0623

# Split Complementary

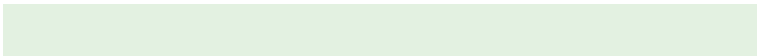
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9667, 84.7031, 97.6325



85.5441, 84.7031, 94.2787



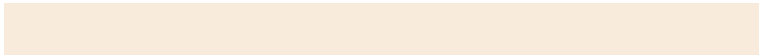
76.6528, 84.7031, 83.6760

# Square

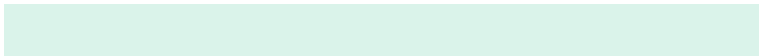
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



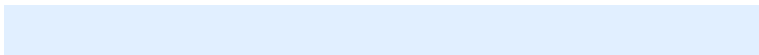
85.5441, 84.7031, 94.2787



81.2209, 84.7031, 78.8039



75.6731, 84.7031, 90.2058



79.7988, 84.7031, 107.0945

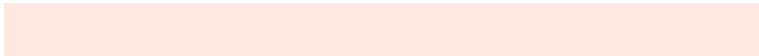


# Rectangle

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



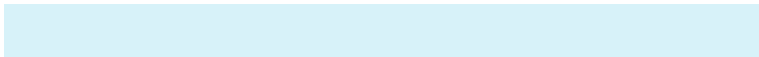
85.5441, 84.7031, 94.2787



84.2820, 84.7031, 83.0334



75.6731, 84.7031, 90.2058



76.8479, 84.7031, 102.0759

# Sweetspot

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



85.5460, 84.7065, 94.2805



91.8974, 94.9116, 104.0981



84.5643, 83.9323, 106.3513



19.4937, 20.0312, 22.0114



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

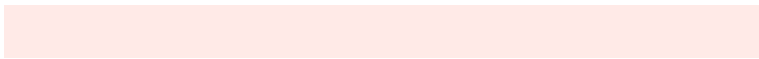
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5460, 84.7065, 94.2805



84.0497, 82.3125, 91.9363



85.0321, 85.7647, 87.6783



18.2910, 18.0997, 20.1497



22.7088, 11.5728, 7.1168



2.2620, 1.1472, 0.9609



# Inverse Universe

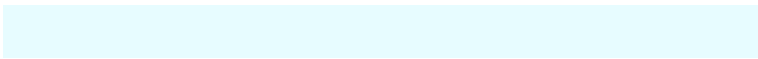
The Inverse Universe completely reimagines the original color for something new.



85.5460, 84.7065, 94.2805



84.0497, 82.3125, 91.9363



85.8804, 93.9569, 108.2168



18.2910, 18.0997, 20.1497



22.7088, 11.5728, 7.1168

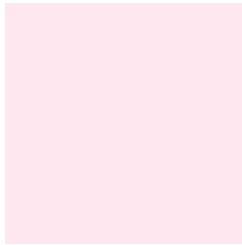


2.2620, 1.1472, 0.9609



# Previews

## White Background



This preview shows how the XYZ color 85.5441, 84.7031, 94.2787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

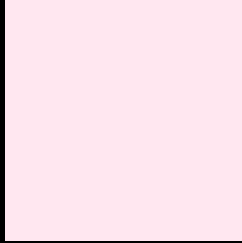
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.5441, 84.7031, 94.2787 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

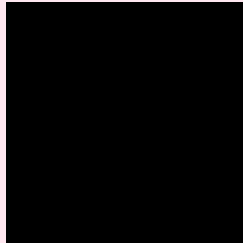
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.5441, 84.7031, 94.2787**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.5441, 84.7031, 94.2787.



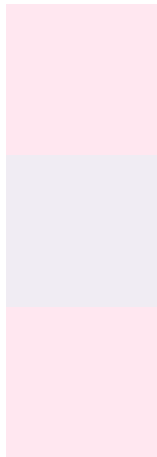
This preview shows how white text looks on a background with the XYZ color 85.5441, 84.7031,



# 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

85.5441, 84.7031, 94.2787

### Protanopia

82.1083, 84.9872, 96.8706

### Deuteranopia

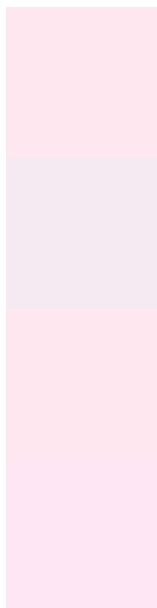
85.5441, 84.7031, 94.2787



## Tritanopia

86.3253, 84.5690, 99.7693

# Trichromacy



## Original Color

85.5441, 84.7031, 94.2787

## Protanomaly

83.1060, 84.6689, 95.9670

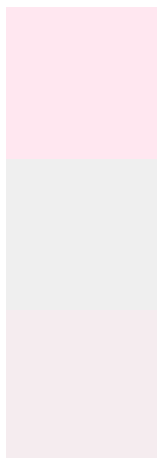
## Deuteranomaly

85.5441, 84.7031, 94.2787

## Tritanomaly

85.8659, 84.3853, 97.3503

# Monochromacy



## Original Color

85.5441, 84.7031, 94.2787

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

83.2316, 85.6354, 93.8039

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.5441, 84.7031, 94.2787 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(255, 231, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 240)  
}
```

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(255, 231, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 85.5441, 84.7031, 94.2787 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(255, 231, 240) }
```



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

```
.border{ border-color:rgb(255, 231, 240) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.5441, 84.7031, 94.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 240) }
```

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

```
.background{ background-color: rgb(255,  
231, 240) }
```

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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