

# Converting Colors

XYZ(97.5531, 89.9405, 94.5930)

Have a look what the booklet for  
XYZ(97.5531, 89.9405, 94.5930)  
contains.

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# **Color**

**XYZ(84.9875, 83.5899,  
94.0932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5F0
RGB	255, 229, 240
RGB Percent	100%, 90%, 94%
CMY	0.0000, 0.1019, 0.0588
CMYK	0.00, 0.10, 0.06, 0.00
HSL	335°, 100%, 95%
HSV	335°, 10%, 100%
XYZ	84.9875, 83.5899, 94.0932
YIQ	238.0280, 11.9650, 8.9330

# Conversions

## Conversions Part 2

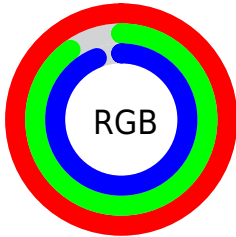
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 229, 240
Decimal	16770544
CIE Lab	93.27, 10.70, -2.10
CIE LCh	93, 10.903, 348.893
Yxy	83.5899, 0.3236, 0.3182
Android (android.graphics.Color)	4294960624 (0xFFFFE5F0)
YUV	238.0280, 0.9722, 14.8844
Hunter-Lab	91.4275, 5.9286, 2.9806

# Details

The XYZ color **84.9875, 83.5899, 94.0932** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4048, 94.7109, 99.4239**, and the grayscale version is **81.2777, 85.5104, 93.1208**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0765, 45.7386, 51.6946** is the 20% darker color. If you saturate the color by 10%, you get **76.3456, 69.6632, 80.8629**, and if you desaturate by 10%, it is **94.8467, 99.6669, 108.6060**.

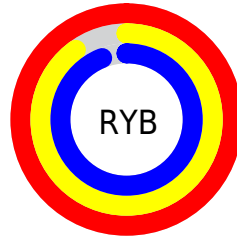
# Distribution



Red (100%)

Green (90%)

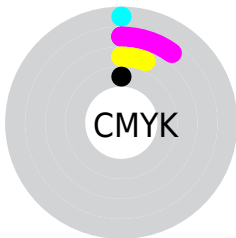
Blue (94%)



Red (100%)

Yellow (90%)

Blue (94%)

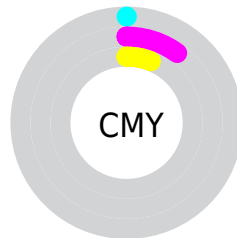


Cyan (0%)

Magenta (10%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9875, 83.5899, 94.0932 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 84.9875, 83.5899, 94.0932 by changing the saturation by 10% instead.



84.9875, 83.5899,  
94.0932

84.9875, 83.5899,  
94.0932

500.0710,  
506.9504, 562.1679

64.1535, 62.6769,  
70.7878

139.2698,  
138.4014, 154.9960

47.0372, 45.5799,  
51.6882

173.4489,  
173.0686, 193.4305

33.2731, 31.9144,  
36.3761

212.8070,  
213.0894, 237.7450

22.4960, 21.2961,  
24.4328

257.7095,  
258.8482, 288.3582

14.3404, 13.3406,  
15.4398

308.5218,  
310.7292, 345.6885

8.4411, 7.6635,  
8.9786

365.6093,

4.4326, 3.8804,

369.1170, 410.1545

4.6306

429.3372,  
434.3960, 482.1748

■ 1.9497, 1.6069,  
1.9773

■ 0.6055, 0.3622,  
0.5413

■ 84.9875, 83.5899,  
94.0932

■ 84.9875, 83.5899,  
94.0932

■ 76.3456, 69.6632,  
80.8629

94.8467, 99.6669,  
108.6060

■ 68.8662, 57.7850,  
68.8728

95.0500, 100.0000,  
108.9000

■ 62.4986, 47.8603,  
58.0857

■ 57.1858, 39.7826,  
48.4604

■ 52.8658, 33.4351,  
39.9530

■ 49.4695, 28.6876,  
32.5160

■ 46.9183, 25.3911,  
26.0979

■ 45.1189, 23.3680,  
20.6405

■ 43.9396, 22.3399,  
16.1461

# Harmonies

## Analogous

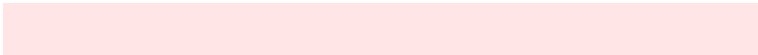
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6798, 83.5899, 101.8041



84.9875, 83.5899, 94.0932



84.7849, 83.5899, 85.9941

# Triad

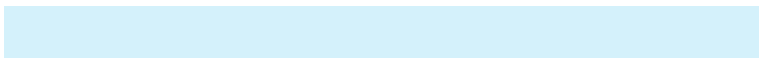
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9875, 83.5899, 94.0932



77.6766, 83.5899, 76.8691



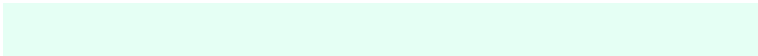
75.8772, 83.5899, 103.4476

# Complementary

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



84.9875, 83.5899, 94.0932



84.4048, 94.7109, 99.4239

# Split Complementary

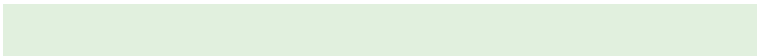
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3432, 83.5899, 96.2280



84.9875, 83.5899, 94.0932



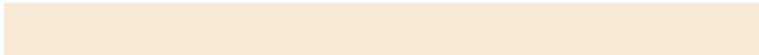
75.3646, 83.5899, 81.0168

# Square

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



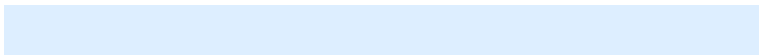
84.9875, 83.5899, 94.0932



80.5173, 83.5899, 76.3740



74.1578, 83.5899, 88.0051



78.3916, 83.5899, 107.4173

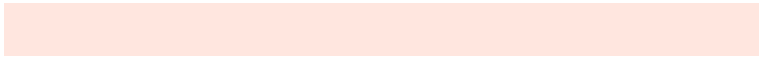


# Rectangle

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



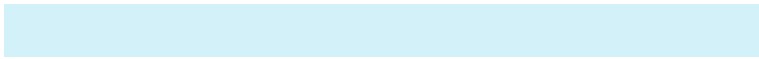
84.9875, 83.5899, 94.0932



83.8217, 83.5899, 81.4504



74.1578, 83.5899, 88.0051



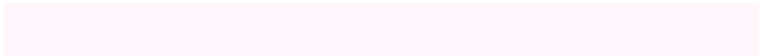
75.2324, 83.5899, 101.3009

# Sweetspot

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



84.9894, 83.5933, 94.0950



91.9553, 94.9348, 104.4026



83.2876, 82.4478, 106.1320



19.5093, 20.0374, 22.0935



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

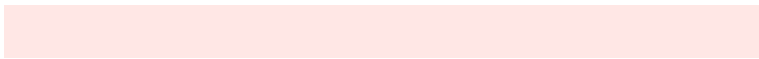
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9894, 83.5933, 94.0950



83.3397, 80.9211, 91.6113



83.8866, 83.9233, 85.9106



18.3282, 18.1146, 20.3454



23.0302, 11.7014, 8.8096



2.2956, 1.1606, 1.1379



# Inverse Universe

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



84.9894, 83.5933, 94.0950



83.3397, 80.9211, 91.6113



85.5747, 94.2983, 108.2989



18.3282, 18.1146, 20.3454



23.0302, 11.7014, 8.8096

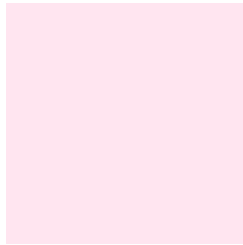


2.2956, 1.1606, 1.1379



# Previews

## White Background



This preview shows how the XYZ color 84.9875, 83.5899, 94.0932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

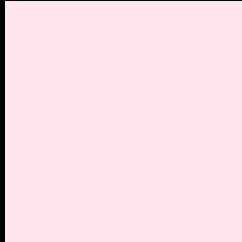
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9875, 83.5899, 94.0932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

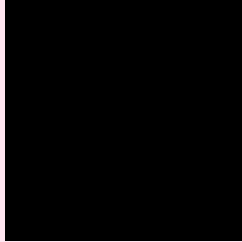
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.9875, 83.5899, 94.0932**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.9875, 83.5899, 94.0932.



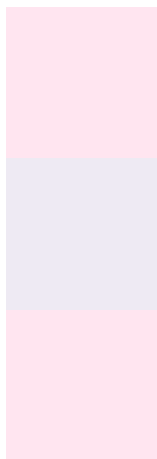
This preview shows how white text looks on a background with the XYZ color 84.9875, 83.5899,

94.0932.

# 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

84.9875, 83.5899, 94.0932

### Protanopia

80.8604, 83.4938, 96.6481

### Deuteranopia

84.9875, 83.5899, 94.0932



## Tritanopia

85.6180, 83.4006, 98.7742

# Trichromacy



## Original Color

84.9875, 83.5899, 94.0932

## Protanomaly

82.1919, 83.3571, 95.7620

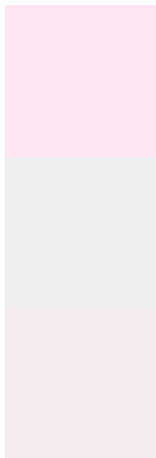
## Deuteranomaly

84.9875, 83.5899, 94.0932

## Tritanomaly

85.3125, 83.2785, 97.1658

# Monochromacy



## Original Color

84.9875, 83.5899, 94.0932

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.5965, 84.8818, 93.6919

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9875, 83.5899, 94.0932 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, 229, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 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, 229, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9875, 83.5899, 94.0932 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, 229, 240) }
```



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

```
.border{ border-color:rgb(255, 229, 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, 229, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9875, 83.5899, 94.0932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 240) }
```

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

```
.background{ background-color: rgb(255,  
229, 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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