

# Converting Colors

XYZ(116.6775, 100.0000,  
100.4728)

Have a look what the booklet for  
XYZ(116.6775, 100.0000, 100.4728)  
contains.

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# Color

**XYZ(85.8939, 83.9524,  
98.8661)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5F6
RGB	255, 229, 246
RGB Percent	100%, 90%, 96%
CMY	0.0000, 0.1019, 0.0353
CMYK	0.00, 0.10, 0.04, 0.00
HSL	321°, 100%, 95%
HSV	321°, 10%, 100%
XYZ	85.8939, 83.9524, 98.8661
YIQ	238.7120, 10.0390, 10.7990

# Conversions

## Conversions Part 2

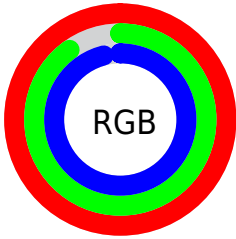
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 229, 246</a>
Decimal	<a href="#">16770550</a>
CIELab	<a href="#">93.43, 11.72, -5.00</a>
CIElCh	<a href="#">93, 12.745, 336.919</a>
Yxy	<a href="#">83.9524, 0.3196, 0.3124</a>
Android (android.graphics.Color)	<a href="#">4294960630 (0xFFFFE5F6)</a>
YUV	<a href="#">238.7120, 3.5930, 14.2846</a>
Hunter-Lab	<a href="#">91.6255, 6.9892, 0.1626</a>

# Details

The XYZ color **85.8939, 83.9524, 98.8661** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5082, 94.3523, 94.7027**, and the grayscale version is **81.7893, 86.0487, 93.7070**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7190, 45.9956, 55.0782** is the 20% darker color. If you saturate the color by 10%, you get **78.0271, 70.3358, 89.7179**, and if you desaturate by 10%, it is **94.8650, 99.6741, 108.7025**.

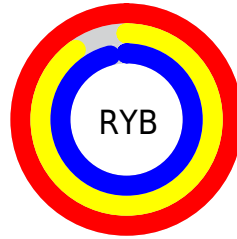
# Distribution



Red (100%)

Green (90%)

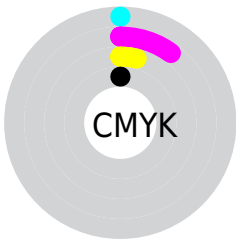
Blue (96%)



Red (100%)

Yellow (90%)

Blue (96%)

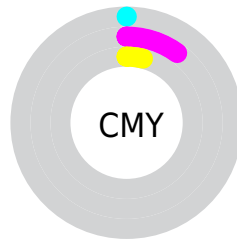


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8939, 83.9524, 98.8661 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 85.8939, 83.9524, 98.8661 by changing the saturation by 10% instead.




 85.8939, 83.9524,  
98.8661

 85.8939, 83.9524,  
98.8661

503.0205,  
508.1552, 577.7667

 64.9052, 62.9761,  
74.7423


140.5290,  
138.9086, 161.6363

 47.6486, 45.8219,  
54.9013


174.9061,  
173.6573, 201.1199

 33.7588, 32.1053,  
38.9247


214.4768,  
213.7656, 246.5604

 22.8704, 21.4419,  
26.3938

259.6064,  
259.6180, 298.3764

 14.6180, 13.4474,  
16.8900

310.6602,  
311.5987, 356.9865

 8.6363, 7.7374,  
9.9950

368.0035,

 4.5599, 3.9274,

370.0922, 422.8093

5.2901

432.0019,  
435.4829, 496.2632

■ 2.0235, 1.6330,  
2.3567

■ 0.6471, 0.3797,  
0.7627

■ 85.8939, 83.9524,  
98.8661

■ 85.8939, 83.9524,  
98.8661

■ 78.0271, 70.3358,  
89.7179

94.8650, 99.6741,  
108.7025

■ 71.2133, 58.7238,  
81.2329

95.0500, 100.0000,  
108.9000

■ 65.4052, 49.0229,  
73.3920

■ 60.5494, 41.1279,  
66.1729

■ 56.5876, 34.9237,  
59.5515

■ 53.4546, 30.2816,  
53.5013

■ 51.0761, 27.0542,  
47.9927

■ 49.3632, 25.0657,  
42.9910

■ 48.1897, 24.0399,  
38.5268

# Harmonies

## Analogous

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



83.7431, 83.9524, 107.0343



85.8939, 83.9524, 98.8661



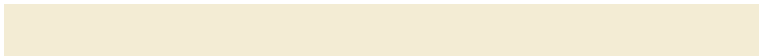
86.3892, 83.9524, 89.1963

# Triad

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



85.8939, 83.9524, 98.8661



79.0175, 83.9524, 74.2258



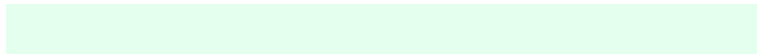
74.7339, 83.9524, 102.9951

# Complementary

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



85.8939, 83.9524, 98.8661



83.5082, 94.3523, 94.7027

# 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.



73.5438, 83.9524, 93.6598



85.8939, 83.9524, 98.8661



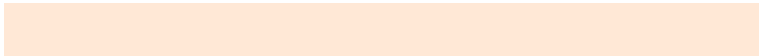
75.9715, 83.9524, 77.3852

# Square

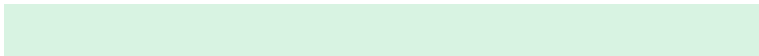
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8939, 83.9524, 98.8661



82.3569, 83.9524, 75.4052



73.9904, 83.9524, 84.3383



77.2853, 83.9524, 109.5327

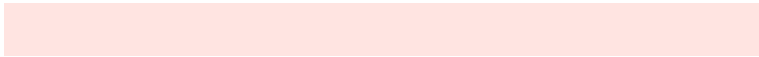


# Rectangle

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



85.8939, 83.9524, 98.8661



85.7017, 83.9524, 83.2770



73.9904, 83.9524, 84.3383



74.1647, 83.9524, 100.0558

# Sweetspot

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



85.8957, 83.9557, 98.8679



92.2344, 95.0464, 105.8725



81.2203, 81.3820, 106.0353



19.5846, 20.0675, 22.4902



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.



85.8957, 83.9557, 98.8679



84.3943, 81.3430, 97.1651



84.0173, 83.2044, 88.9762



18.5099, 18.1873, 21.3021



25.2533, 12.5906, 20.5162



2.5104, 1.2465, 2.2690



# Inverse Universe

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



85.8957, 83.9557, 98.8679



84.3943, 81.3430, 97.1651



85.4352, 95.1231, 104.8500



18.5099, 18.1873, 21.3021



25.2533, 12.5906, 20.5162

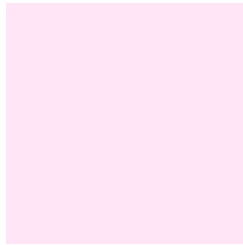


2.5104, 1.2465, 2.2690



# Previews

## White Background



This preview shows how the XYZ color 85.8939, 83.9524, 98.8661 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

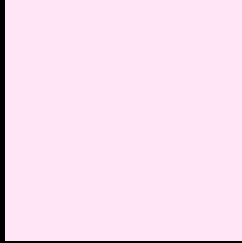
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.8939, 83.9524, 98.8661 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

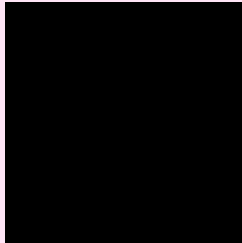
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.8939, 83.9524, 98.8661**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.8939, 83.9524, 98.8661.



This preview shows how white text looks on a background with the XYZ color 85.8939, 83.9524,

98.8661.

# 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

85.8939, 83.9524, 98.8661

### Protanopia

81.7323, 84.2607, 101.5787

### Deuteranopia

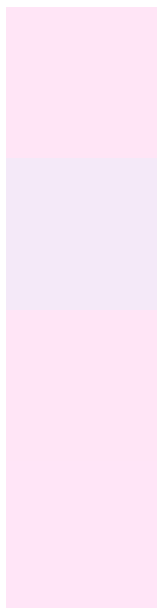
85.8939, 83.9524, 98.8661



## Tritanopia

86.0478, 84.0140, 99.6768

# Trichromacy



## Original Color

85.8939, 83.9524, 98.8661

## Protanomaly

83.3904, 84.2882, 100.6810

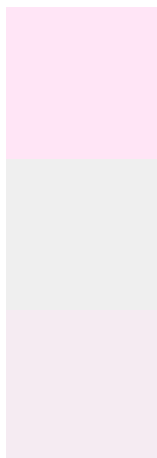
## Deuteranomaly

85.8939, 83.9524, 98.8661

## Tritanomaly

86.0478, 84.0140, 99.6768

# Monochromacy



## Original Color

85.8939, 83.9524, 98.8661

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

83.3915, 85.2399, 96.0621

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.8939, 83.9524, 98.8661 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 85.8939, 83.9524, 98.8661 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, 246) }
```



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

```
.border{ border-color:rgb(255, 229, 246) }
```

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, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.8939, 83.9524, 98.8661 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, 246) }
```

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

```
.background{ background-color: rgb(255,  
229, 246) }
```

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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