

# Converting Colors

XYZ(90.4345, 82.9670, 95.8546)

Have a look what the booklet for  
XYZ(90.4345, 82.9670, 95.8546)  
contains.

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# Color

**XYZ(83.2741, 79.4440,  
95.7392)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDDF3
RGB	255, 221, 243
RGB Percent	100%, 87%, 95%
CMY	0.0000, 0.1333, 0.0471
CMYK	0.00, 0.13, 0.05, 0.00
HSL	321°, 100%, 93%
HSV	321°, 13%, 100%
XYZ	83.2741, 79.4440, 95.7392
YIQ	233.6740, 13.2020, 14.0500

# Conversions

## Conversions Part 2

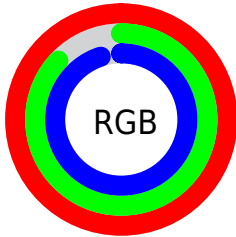
Format	Color
R <sub>Y</sub> B	255, 221, 243
Decimal	16768499
CIE Lab	91.43, 15.36, -6.37
CIE LCh	91, 16.628, 337.466
Yxy	79.4440, 0.3222, 0.3074
Android (android.graphics.Color)	4294958579 (0xFFFFDDF3)
YUV	233.6740, 4.5977, 18.7029
Hunter-Lab	89.1314, 10.7900, -1.2936

# Details

The XYZ color **83.2741, 79.4440, 95.7392** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.2893, 92.7766, 90.7702**, and the grayscale version is **77.9213, 81.9793, 89.2755**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8946, 42.8661, 52.8688** is the 20% darker color. If you saturate the color by 10%, you get **75.7201, 66.4579, 86.6794**, and if you desaturate by 10%, it is **91.9209, 94.5082, 105.4942**.

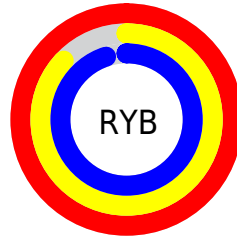
# Distribution



Red (100%)

Green (87%)

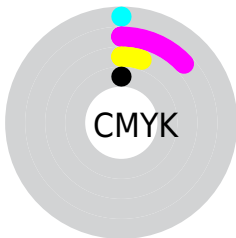
Blue (95%)



Red (100%)

Yellow (87%)

Blue (95%)

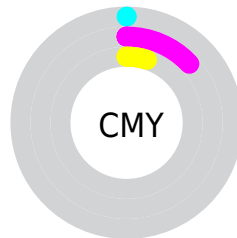


Cyan (0%)

Magenta (13%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2741, 79.4440, 95.7392 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 83.2741, 79.4440, 95.7392 by changing the saturation by 10% instead.




 83.2741, 79.4440,  
95.7392

 83.2741, 79.4440,  
95.7392


494.4697,  
493.0571, 567.5734

 62.7340, 59.2609,  
72.1501


136.8858,  
132.5837, 157.2898

 45.8839, 42.8232,  
52.7937


170.6881,  
166.3092, 196.0884

 32.3584, 29.7464,  
37.2515


209.6419,  
205.3176, 240.7938

 21.7923, 19.6462,  
25.1050

254.1124,  
249.9933, 291.8247

 13.8201, 12.1381,  
15.9355

304.4651,  
300.7207, 349.5996

 8.0765, 6.8378,  
9.3247

361.0653,

 4.1962, 3.3609,

357.8842, 414.5370

4.8539

424.2784,  
421.8682, 487.0554

■ 1.8137, 1.3229,  
2.1045

■ 0.5259, 0.1588,  
0.6185

■ 83.2741, 79.4440,  
95.7392

■ 83.2741, 79.4440,  
95.7392

■ 75.7201, 66.4579,  
86.6794

■ 91.9209, 94.5082,  
105.4942

■ 69.2065, 55.4480,  
78.2894

95.0500, 100.0000,  
108.9000

■ 63.6847, 46.3180,  
70.5494

■ 59.0999, 38.9600,  
63.4362

■ 55.3918, 33.2550,  
56.9247

■ 52.4926, 29.0690,  
50.9873

■ 50.3240, 26.2472,  
45.5927

■ 48.7910, 24.6013,  
40.7036

■ 48.0311, 23.9764,  
37.6912

# Harmonies

## Analogous

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



80.5659, 79.4440, 106.3396



83.2741, 79.4440, 95.7392



83.8648, 79.4440, 83.5093

# Triad

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



83.2741, 79.4440, 95.7392



74.4572, 79.4440, 65.3981



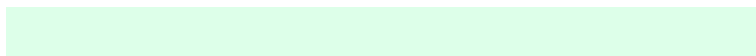
69.2353, 79.4440, 101.4592

# Complementary

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



83.2741, 79.4440, 95.7392



80.2893, 92.7766, 90.7702

# 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.



67.7278, 79.4440, 89.5634



83.2741, 79.4440, 95.7392



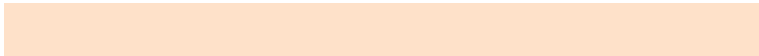
70.6686, 79.4440, 69.2973

# Square

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



83.2741, 79.4440, 95.7392



78.6695, 79.4440, 66.7190



68.2425, 79.4440, 77.8771



72.4346, 79.4440, 109.8511



# Rectangle

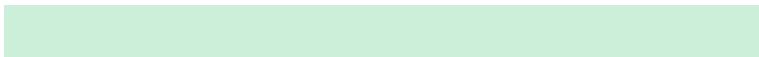
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2741, 79.4440, 95.7392



82.9587, 79.4440, 76.1954



68.2425, 79.4440, 77.8771



68.5194, 79.4440, 97.6963

# Sweetspot

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



83.2759, 79.4472, 95.7409



91.3076, 93.4341, 104.8197



77.4810, 76.2436, 105.2405



19.3973, 19.7427, 22.2742



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

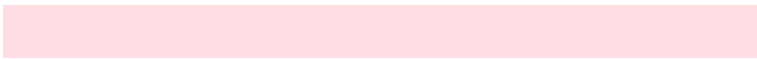
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2759, 79.4472, 95.7409



81.1546, 75.7814, 93.2555



80.8399, 78.4728, 82.9132



18.5045, 18.1851, 21.2736



25.1708, 12.5576, 20.0819



2.5027, 1.2435, 2.2288



# Inverse Universe

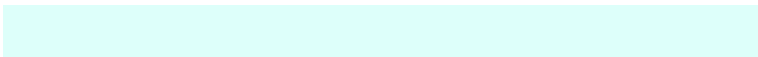
The Inverse Universe completely reimagines the original color for something new.



83.2759, 79.4472, 95.7409



81.1546, 75.7814, 93.2555



82.8204, 93.7890, 104.0990



18.5045, 18.1851, 21.2736



25.1708, 12.5576, 20.0819



2.5027, 1.2435, 2.2288



# Previews

## White Background



This preview shows how the XYZ color 83.2741, 79.4440, 95.7392 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

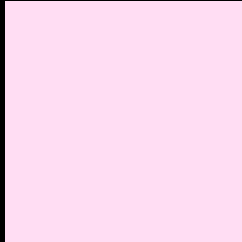
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2741, 79.4440, 95.7392 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 83.2741, 79.4440, 95.7392**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2741, 79.4440, 95.7392.



This preview shows how white text looks on a background with the XYZ color 83.2741, 79.4440,

95.7392.

# 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

83.2741, 79.4440, 95.7392

### Protanopia

77.5957, 79.6389, 100.0891

### Deuteranopia

81.3941, 79.6786, 95.0940



## Tritanopia

82.5743, 79.5454, 92.6630

# Trichromacy



## Original Color

83.2741, 79.4440, 95.7392

## Protanomaly

79.4275, 79.3973, 98.3277

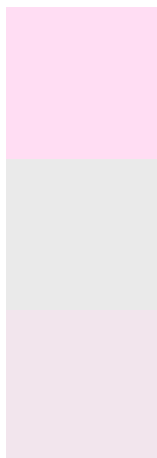
## Deuteranomaly

82.1983, 79.6954, 95.0548

## Tritanomaly

82.7225, 79.6047, 93.4434

# Monochromacy



## Original Color

83.2741, 79.4440, 95.7392

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

79.9233, 81.0303, 91.5488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2741, 79.4440, 95.7392 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, 221, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 243)  
}
```

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, 221, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2741, 79.4440, 95.7392 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, 221, 243) }
```



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

```
.border{ border-color:rgb(255, 221, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2741, 79.4440, 95.7392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 243) }
```

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

```
.background{ background-color: rgb(255,  
221, 243) }
```

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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