

# Converting Colors

XYZ(84.4942, 81.8232, 96.3339)

Have a look what the booklet for  
XYZ(84.4942, 81.8232, 96.3339)  
contains.

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# Color

**XYZ(84.3429, 81.5815,  
96.0955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1F3
RGB	255, 225, 243
RGB Percent	100%, 88%, 95%
CMY	0.0000, 0.1176, 0.0471
CMYK	0.00, 0.12, 0.05, 0.00
HSL	324°, 100%, 94%
HSV	324°, 12%, 100%
XYZ	84.3429, 81.5815, 96.0955
YIQ	236.0220, 12.1020, 11.9580

# Conversions

## Conversions Part 2

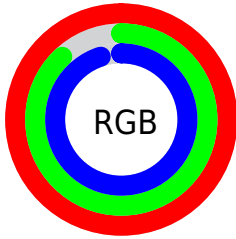
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 225, 243
Decimal	16769523
CIE Lab	92.39, 13.28, -4.96
CIE LCh	92, 14.177, 339.508
Yxy	81.5815, 0.3219, 0.3114
Android (android.graphics.Color)	4294959603 (0xFFFE1F3)
YUV	236.0220, 3.4402, 16.6437
Hunter-Lab	90.3225, 8.6185, 0.1462

# Details

The XYZ color **84.3429, 81.5815, 96.0955** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.0999, 93.6432, 93.8720**, and the grayscale version is **79.7153, 83.8668, 91.3309**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6331, 44.3431, 53.1149** is the 20% darker color. If you saturate the color by 10%, you get **76.4596, 68.2119, 86.0780**, and if you desaturate by 10%, it is **93.3449, 97.0508, 106.9104**.

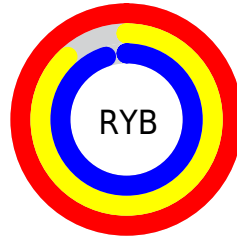
# Distribution



Red (100%)

Green (88%)

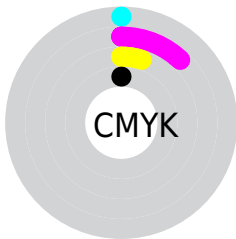
Blue (95%)



Red (100%)

Yellow (88%)

Blue (95%)

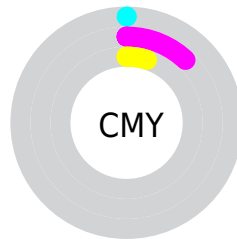


Cyan (0%)

Magenta (12%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3429, 81.5815, 96.0955 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 84.3429, 81.5815, 96.0955 by changing the saturation by 10% instead.



84.3429, 81.5815,  
96.0955

84.3429, 81.5815,  
96.0955

497.9677,  
500.2467, 568.7399

63.6192, 61.0206,  
72.4452

138.3735,  
135.5870, 157.7858

46.6029, 44.2418,  
53.0334

172.4112,  
169.8004, 196.6628

32.9285, 30.8607,  
37.4415

211.6176,  
209.3334, 241.4525

22.2306, 20.4928,  
25.2510

256.3580,  
254.5704, 292.5735

14.1440, 12.7537,  
16.0435

306.9979,  
305.8959, 350.4441

8.3033, 7.2592,  
9.4002

363.9026,

4.3430, 3.6247,

363.6942, 415.4830

4.9028

427.4374,  
428.3497, 488.1088

■ 1.8980, 1.4659,  
2.1326

■ 0.5757, 0.2646,  
0.6351

■ 84.3429, 81.5815,  
96.0955

■ 84.3429, 81.5815,  
96.0955

■ 76.4596, 68.2119,  
86.0780

■ 93.3449, 97.0508,  
106.9104

■ 69.6426, 56.8406,  
76.8304

95.0500, 100.0000,  
108.9000

■ 63.8436, 47.3725,  
68.3307

■ 59.0079, 39.7011,  
60.5535

■ 55.0758, 33.7089,  
53.4716

■ 51.9803, 29.2645,  
47.0551

■ 49.6446, 26.2168,  
41.2707

■ 47.9763, 24.3837,  
36.0794

■ 46.9892, 23.5597,  
32.2048

# Harmonies

## Analogous

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



82.1189, 81.5815, 105.3572



84.3429, 81.5815, 96.0955



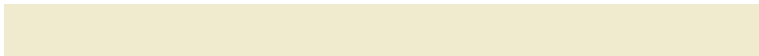
84.7133, 81.5815, 85.5306

# Triad

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



84.3429, 81.5815, 96.0955



76.3806, 81.5815, 70.3441



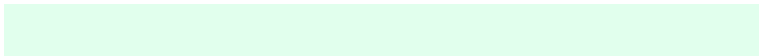
72.2209, 81.5815, 102.3206

# Complementary

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



84.3429, 81.5815, 96.0955



82.0999, 93.6432, 93.8720

# 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.



70.7849, 81.5815, 92.2098



84.3429, 81.5815, 96.0955



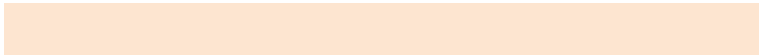
73.1360, 81.5815, 74.1256

# Square

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



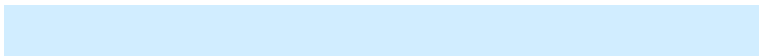
84.3429, 81.5815, 96.0955



80.0384, 81.5815, 71.2049



71.1146, 81.5815, 81.9372



75.0957, 81.5815, 109.1434

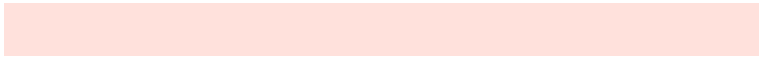


# Rectangle

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



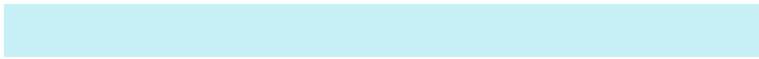
84.3429, 81.5815, 96.0955



83.8479, 81.5815, 79.2383



71.1146, 81.5815, 81.9372



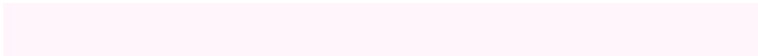
71.5581, 81.5815, 99.1627

# Sweetspot

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



84.3447, 81.5848, 96.0972



91.2319, 93.4038, 104.4208



79.9031, 79.0788, 105.6601



19.3781, 19.7350, 22.1731



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

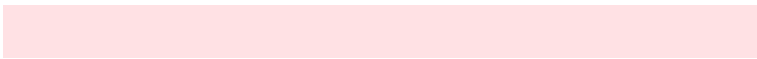
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3447, 81.5848, 96.0972



82.4851, 78.4138, 93.7871



82.1711, 80.7154, 84.6514



18.4670, 18.1701, 21.0763



24.6286, 12.3407, 17.2266



2.4520, 1.2232, 1.9616



# Inverse Universe

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



84.3447, 81.5848, 96.0972



82.4851, 78.4138, 93.7871



84.3840, 94.5568, 105.8997



18.4670, 18.1701, 21.0763



24.6286, 12.3407, 17.2266

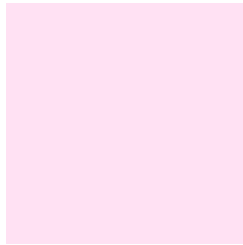


2.4520, 1.2232, 1.9616



# Previews

## White Background



This preview shows how the XYZ color 84.3429, 81.5815, 96.0955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

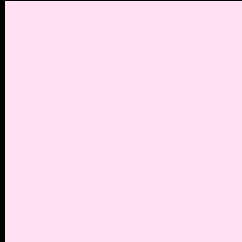
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.3429, 81.5815, 96.0955 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 84.3429, 81.5815, 96.0955**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.3429, 81.5815, 96.0955.



This preview shows how white text looks on a background with the XYZ color 84.3429, 81.5815,

96.0955.

# 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

84.3429, 81.5815, 96.0955

### Protanopia

79.2494, 81.7523, 99.5986

### Deuteranopia

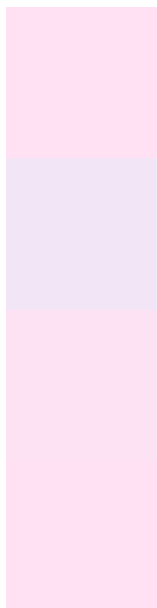
83.5189, 81.5592, 96.1346



## Tritanopia

84.3429, 81.5815, 96.0955

# Trichromacy



## Original Color

84.3429, 81.5815, 96.0955

## Protanomaly

80.9295, 81.3932, 98.6338

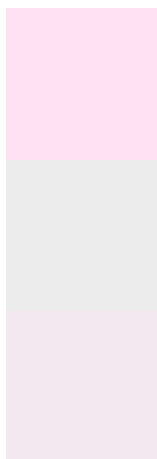
## Deuteranomaly

83.8820, 81.7464, 96.1516

## Tritanomaly

84.3429, 81.5815, 96.0955

# Monochromacy



## Original Color

84.3429, 81.5815, 96.0955

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

81.3987, 82.9999, 93.3918

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.3429, 81.5815, 96.0955 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, 225, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 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, 225, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 84.3429, 81.5815, 96.0955 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, 225, 243) }
```



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

```
.border{ border-color:rgb(255, 225, 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, 225, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.3429, 81.5815, 96.0955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 243) }
```

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

```
.background{ background-color: rgb(255,  
225, 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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