

# Converting Colors

XYZ(70.4509, 67.5290, 79.8422)

Have a look what the booklet for  
XYZ(70.4509, 67.5290, 79.8422)  
contains.

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# Color

**XYZ(70.4509, 67.5290,  
79.8422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDCEE0
RGB	237, 206, 224
RGB Percent	93%, 81%, 88%
CMY	0.0706, 0.1921, 0.1216
CMYK	0.00, 0.13, 0.05, 0.07
HSL	325°, 46%, 87%
HSV	325°, 13%, 93%
XYZ	70.4509, 67.5290, 79.8422
YIQ	217.3210, 12.6980, 12.1700

# Conversions

## Conversions Part 2

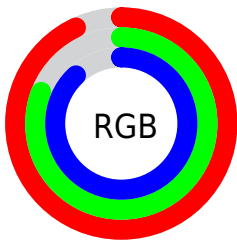
Format	Color
R <sub>Y</sub> B	237, 206, 224
Decimal	15584992
CIE Lab	85.77, 13.84, -4.89
CIE LCh	86, 14.673, 340.550
Yxy	67.5290, 0.3234, 0.3100
Android (android.graphics.Color)	4293775072 (0xFFEDCEE0)
YUV	217.3210, 3.2927, 17.2585
Hunter-Lab	82.1760, 9.2230, -0.0829

# Details

The XYZ color **70.4509, 67.5290, 79.8422** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.5266, 78.8065, 78.6211**, and the grayscale version is **66.1472, 69.5920, 75.7856**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4457, 35.1448, 42.3461** is the 20% darker color. If you saturate the color by 10%, you get **63.8615, 56.4441, 71.1883**, and if you desaturate by 10%, it is **77.9833, 80.3719, 89.2009**.

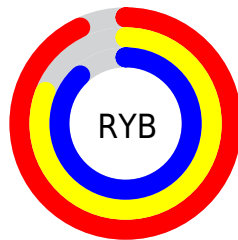
# Distribution



Red (93%)

Green (81%)

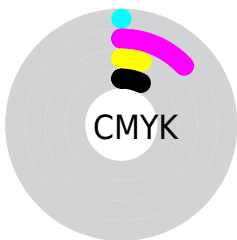
Blue (88%)



Red (93%)

Yellow (81%)

Blue (88%)

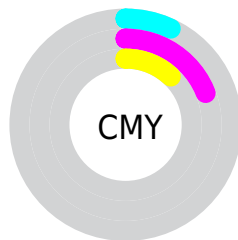


Cyan (0%)

Magenta (13%)

Yellow (5%)

Black (7%)



Cyan (7%)

Magenta (19%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4509, 67.5290, 79.8422 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 70.4509, 67.5290, 79.8422 by changing the saturation by 10% instead.



70.4509, 67.5290,  
79.8422

70.4509, 67.5290,  
79.8422

451.3734,  
451.8254, 514.0936

52.1751, 49.5147,  
59.0631

118.8743,  
115.6781, 134.9532

37.3695, 35.0279,  
42.2436

149.7527,  
146.5816, 170.1223

25.6687, 23.6844,  
28.9651

185.5626,  
182.5503, 210.9250

16.7073, 15.0997,  
18.8090

226.6695,  
223.9686, 257.7801

10.1201, 8.8894,  
11.3570

273.4386,  
271.2209, 311.1059

5.5415, 4.6691,  
6.1903

326.2354,

2.6063, 2.0544,

324.6915, 371.3211

2.8905

385.4252,  
384.7649, 438.8441

■ 0.9492, 0.6388,  
1.0390

■ 0.0000, 0.0000,  
0.0000

■ 70.4509, 67.5290,  
79.8422

■ 70.4509, 67.5290,  
79.8422

■ 63.8615, 56.4441,  
71.1883

■ 77.9833, 80.3719,  
89.2009

■ 58.1695, 47.0310,  
63.2149

■ 86.4902, 95.0363,  
99.2790

■ 53.3342, 39.2094,  
55.9027

■ 88.5463, 96.6691,  
107.6083

■ 49.3093, 32.8892,  
49.2293

■ 88.7354, 96.7447,  
108.6045

■ 46.0440, 27.9709,  
43.1705

■ 43.4813, 24.3429,  
37.6999

■ 41.5556, 21.8765,  
32.7882

■ 40.1876, 20.4158,  
28.4010

■ 39.4840, 19.8281,  
25.6394

# Harmonies

## Analogous

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



68.4631, 67.5290, 88.4525



70.4509, 67.5290, 79.8422



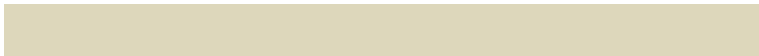
70.7265, 67.5290, 70.2018

# Triad

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



70.4509, 67.5290, 79.8422



63.0123, 67.5290, 56.8439



59.4138, 67.5290, 86.1829

# Complementary

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



70.4509, 67.5290, 79.8422



68.5266, 78.8065, 78.6211

# 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.



58.0585, 67.5290, 76.9568



70.4509, 67.5290, 79.8422



60.0876, 67.5290, 60.3838

# Square

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



70.4509, 67.5290, 79.8422



66.3529, 67.5290, 57.4702



58.3008, 67.5290, 67.5550



62.0635, 67.5290, 92.3278



# Rectangle

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



70.4509, 67.5290, 79.8422



69.8921, 67.5290, 64.5448



58.3008, 67.5290, 67.5550



58.7960, 67.5290, 83.3074

# Sweetspot

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



70.4528, 67.5320, 79.8436



91.2007, 93.3914, 104.2567



66.5484, 65.3076, 89.2198



19.3702, 19.7319, 22.1316



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.



70.4528, 67.5320, 79.8436



80.7534, 75.6209, 91.1428



68.4559, 66.7332, 69.3277



15.4322, 15.2007, 17.5612



21.6235, 10.8521, 14.3507



1.7458, 0.8713, 1.3787



# Inverse Universe

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



70.4528, 67.5320, 79.8436



80.7534, 75.6209, 91.1428



70.6512, 79.6563, 89.8088



15.4322, 15.2007, 17.5612



21.6235, 10.8521, 14.3507

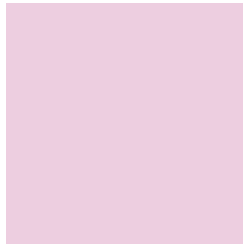


1.7458, 0.8713, 1.3787



# Previews

## White Background



This preview shows how the XYZ color 70.4509, 67.5290, 79.8422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

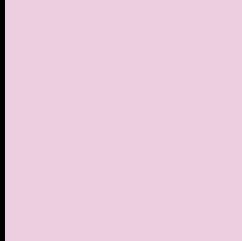
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.4509, 67.5290, 79.8422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

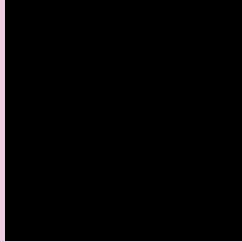
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.4509, 67.5290, 79.8422

## Background



This preview shows how black text looks on a background with the XYZ color 70.4509, 67.5290, 79.8422.



This preview shows how white text looks on a background with the XYZ color 70.4509, 67.5290,



# 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

70.4509, 67.5290, 79.8422

### Protanopia

65.5294, 67.4861, 82.9711

### Deuteranopia

68.9654, 67.4825, 79.9116



## Tritanopia

70.1812, 67.4211, 78.4219

# Trichromacy



## Original Color

70.4509, 67.5290, 79.8422

## Protanomaly

67.0359, 67.1688, 82.1048

## Deuteranomaly

69.3716, 67.3311, 79.8609

## Tritanomaly

70.3156, 67.4749, 79.1300

# Monochromacy



## Original Color

70.4509, 67.5290, 79.8422

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

67.4530, 68.6031, 77.3967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.4509, 67.5290, 79.8422 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(237, 206, 224)` looks like.

```
.text, #text, p{  
    color:rgb(237, 206, 224)  
}
```

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(237, 206, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 206, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4509, 67.5290, 79.8422 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(237, 206, 224) }
```



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

```
.border{ border-color:rgb(237, 206, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 206, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 206, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 206, 224);  
box-shadow:4px 4px 4px 4px rgb(237, 206,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4509, 67.5290, 79.8422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 206, 224) }
```

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

```
.background{ background-color: rgb(237,  
206, 224) }
```

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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