

# Converting Colors

XYZ(97.2090, 74.7585, 80.6599)

Have a look what the booklet for XYZ(97.2090, 74.7585, 80.6599) contains.

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# Color

**XYZ(72.3895, 61.8141,  
79.3501)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAE1
RGB	255, 186, 225
RGB Percent	100%, 73%, 88%
CMY	0.0000, 0.2706, 0.1176
CMYK	0.00, 0.27, 0.12, 0.00
HSL	326°, 100%, 86%
HSV	326°, 27%, 100%
XYZ	72.3895, 61.8141, 79.3501
YIQ	211.0770, 28.6050, 26.7570

# Conversions

## Conversions Part 2

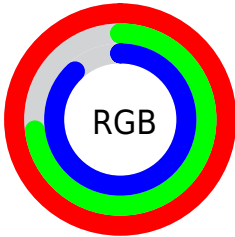
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 186, 225
Decimal	16759521
CIE <sub>Lab</sub>	82.81, 30.69, -9.61
CIE <sub>LCh</sub>	83, 32.159, 342.611
Yxy	61.8141, 0.3390, 0.2895
Android (android.graphics.Color)	4294949601 (0xFFFFBAE1)
YUV	211.0770, 6.8640, 38.5205
Hunter-Lab	78.6219, 26.7617, -4.8038

# Details

The XYZ color **72.3895, 61.8141, 79.3501** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.4065, 86.9180, 78.1406**, and the grayscale version is **61.9120, 65.1362, 70.9334**.

A 20% lighter version of the original color is **91.3406, 92.5812, 107.6635**, and **38.5329, 31.2751, 42.0360** is the 20% darker color. If you saturate the color by 10%, you get **66.0253, 51.4281, 70.0072**, and if you desaturate by 10%, it is **79.8134, 74.1617, 89.5325**.

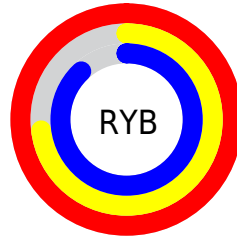
# Distribution



Red (100%)

Green (73%)

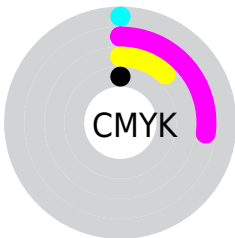
Blue (88%)



Red (100%)

Yellow (73%)

Blue (88%)

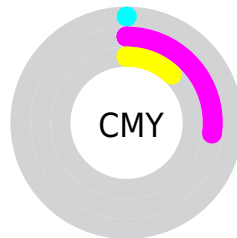


Cyan (0%)

Magenta (27%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3895, 61.8141, 79.3501 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 72.3895, 61.8141, 79.3501 by changing the saturation by 10% instead.





 72.3895, 61.8141,  
79.3501

 72.3895, 61.8141,  
79.3501


458.0328,  
431.2527, 512.3888

 53.7635, 44.8825,  
58.6607


 121.6179,  
107.4568, 134.2547

 38.6425, 31.3649,  
41.9218

152.9511,  
136.9367, 169.3071

 26.6612, 20.8769,  
28.7150


189.2507,  
171.3682, 209.9841

 17.4542, 13.0340,  
18.6216

230.8821,  
211.1356, 256.7044

 10.6562, 7.4520,  
11.2231

278.2107,  
256.6233, 309.8864

 5.9017, 3.7463,  
6.1011

331.6017,

 2.8255, 1.5327,

308.2159, 369.9488

2.8368

391.4207,  
366.2975, 437.3101

■ 1.0622, 0.3116,  
1.0119

■ 0.0000, 0.0000,  
0.0000

■ 72.3895, 61.8141,  
79.3501

■ 72.3895, 61.8141,  
79.3501

■ 66.0253, 51.4281,  
70.0072

■ 79.8134, 74.1617,  
89.5325

■ 60.6636, 42.8932,  
61.4732

■ 88.3417, 88.5582,  
100.5757

■ 56.2483, 36.0998,  
53.7208

95.0500, 100.0000,  
108.9000

■ 52.7155, 30.9235,  
46.7190

■ 49.9932, 27.2232,  
40.4337

■ 47.9966, 24.8331,  
34.8265

■ 46.6185, 23.5417,  
29.8508

■ 46.2836, 23.2774,  
28.4891

# Harmonies

## Analogous

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



68.2308, 61.8141, 99.4326



72.3895, 61.8141, 79.3501



72.7200, 61.8141, 59.3218

# Triad

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



72.3895, 61.8141, 79.3501



55.8944, 61.8141, 36.5416



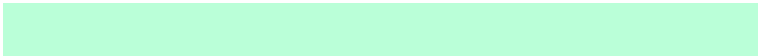
49.4923, 61.8141, 96.5468

# Complementary

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



72.3895, 61.8141, 79.3501



68.4065, 86.9180, 78.1406

# 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.



46.6988, 61.8141, 75.9742



72.3895, 61.8141, 79.3501



50.1953, 61.8141, 42.9711

# Square

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



72.3895, 61.8141, 79.3501



62.8201, 61.8141, 37.0916



46.9456, 61.8141, 56.5451



54.8643, 61.8141, 110.6221



# Rectangle

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



72.3895, 61.8141, 79.3501



70.6906, 61.8141, 48.7830



46.9456, 61.8141, 56.5451



48.2402, 61.8141, 90.0063

# Sweetspot

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



72.3910, 61.8167, 79.3514



87.4884, 87.1097, 99.4961



63.9006, 56.9247, 102.2274



18.4395, 18.1591, 20.9313



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.



72.3910, 61.8167, 79.3514



69.1151, 56.4427, 74.6290



68.1608, 60.1247, 57.0758



18.4395, 18.1591, 20.9313



24.2605, 12.1935, 15.2884



2.4170, 1.2092, 1.7776



# Inverse Universe

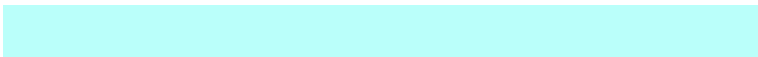
The Inverse Universe completely reimagines the original color for something new.



72.3910, 61.8167, 79.3514



69.1151, 56.4427, 74.6290



73.3294, 88.8872, 104.0641



18.4395, 18.1591, 20.9313



24.2605, 12.1935, 15.2884



2.4170, 1.2092, 1.7776



# Previews

## White Background



This preview shows how the XYZ color 72.3895, 61.8141, 79.3501 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

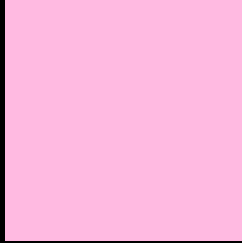
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3895, 61.8141, 79.3501 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

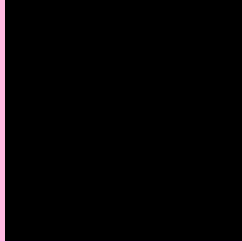
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 72.3895, 61.8141, 79.3501

## Background



This preview shows how black text looks on a background with the XYZ color 72.3895, 61.8141, 79.3501.



This preview shows how white text looks on a background with the XYZ color 72.3895, 61.8141,



# 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

72.3895, 61.8141, 79.3501

### Protanopia

61.2048, 62.1946, 88.8997

### Deuteranopia

63.2849, 62.1073, 77.7597



## Tritanopia

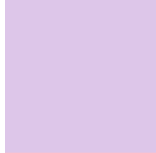
69.4574, 61.8820, 65.4104

# Trichromacy



## Original Color

72.3895, 61.8141, 79.3501



## Protanomaly

64.7209, 61.6435, 85.5780



## Deuteranomaly

66.3379, 61.9634, 78.2758



## Tritanomaly

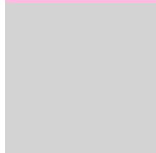
70.5893, 62.0313, 70.5401

# Monochromacy



## Original Color

72.3895, 61.8141, 79.3501



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

65.1938, 63.5298, 73.7921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3895, 61.8141, 79.3501 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, 186, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 225)  
}
```

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, 186, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3895, 61.8141, 79.3501 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, 186, 225) }
```



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

```
.border{ border-color:rgb(255, 186, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3895, 61.8141, 79.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 225) }
```

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

```
.background{ background-color: rgb(255,  
186, 225) }
```

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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