

# Converting Colors

XYZ(138.5004, 95.4496,  
88.0325)

Have a look what the booklet for  
XYZ(138.5004, 95.4496, 88.0325)  
contains.

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# Color

**XYZ(73.2969, 61.8411,  
85.1642)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB9E9
RGB	255, 185, 233
RGB Percent	100%, 73%, 91%
CMY	0.0000, 0.2745, 0.0863
CMYK	0.00, 0.27, 0.09, 0.00
HSL	319°, 100%, 86%
HSV	319°, 27%, 100%
XYZ	73.2969, 61.8411, 85.1642
YIQ	211.4020, 26.3120, 29.7680

# Conversions

## Conversions Part 2

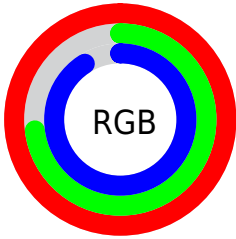
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 185, 233
Decimal	16759273
CIE Lab	82.83, 32.53, -13.88
CIE LCh	83, 35.365, 336.893
Yxy	61.8411, 0.3327, 0.2807
Android (android.graphics.Color)	4294949353 (0xFFFFB9E9)
YUV	211.4020, 10.6478, 38.2354
Hunter-Lab	78.6391, 28.7555, -9.1622

# Details

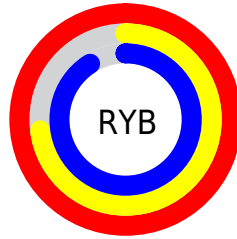
The XYZ color **73.2969, 61.8411, 85.1642** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.0321, 86.3403, 72.1669**, and the grayscale version is **62.1036, 65.3378, 71.1529**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **39.0781, 31.2772, 45.5724** is the 20% darker color. If you saturate the color by 10%, you get **67.3141, 51.6662, 77.6494**, and if you desaturate by 10%, it is **80.2912, 73.9552, 93.2744**.

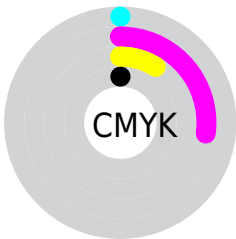
# Distribution



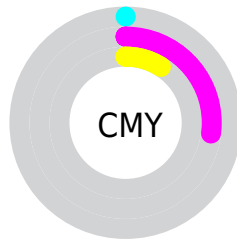
- Red (100%)
- Green (73%)
- Blue (91%)



- Red (100%)
- Yellow (73%)
- Blue (91%)



- Cyan (0%)
- Magenta (27%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2969, 61.8411, 85.1642 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 73.2969, 61.8411, 85.1642 by changing the saturation by 10% instead.





 73.2969, 61.8411,  
85.1642

 73.2969, 61.8411,  
85.1642


461.1310,  
431.3512, 532.3300

 54.5080, 44.9043,  
63.4261


 122.8995,  
107.4958, 142.4788

 39.2402, 31.3821,  
45.7428


154.4439,  
136.9826, 178.8923

 27.1282, 20.8900,  
31.6957


190.9708,  
171.4215, 221.0348

 17.8066, 13.0436,  
20.8663

232.8456,  
211.1968, 269.3248

 10.9101, 7.4586,  
12.8360

280.4337,  
256.6931, 324.1807

 6.0733, 3.7505,  
7.1863


334.1004,


 2.9308, 1.5350,


308.2947, 386.0212


3.4987


394.2111,  
366.3859, 455.2648


 1.1173, 0.3132,  
1.3546


 0.0395, 0.0000,  
0.1059


 73.2969, 61.8411,  
85.1642


 73.2969, 61.8411,  
85.1642

 67.3141, 51.6662,  
77.6494


 80.2912, 73.9552,  
93.2744

 62.2867, 43.3201,  
70.7054

 88.3408, 88.0958,  
101.9954

 58.1595, 36.6935,  
64.3113

95.0500, 100.0000,  
108.9000

 54.8696, 31.6618,  
58.4426

■ 52.3459, 28.0836,  
53.0720

■ 50.5046, 25.7925,  
48.1679

■ 49.2364, 24.5716,  
43.6902

■ 48.9636, 24.3494,  
42.6019

# Harmonies

## Analogous

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



68.0115, 61.8411, 106.7374



73.2969, 61.8411, 85.1642



74.5419, 61.8411, 62.4270

# Triad

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



73.2969, 61.8411, 85.1642



57.0386, 61.8411, 33.6997



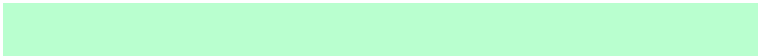
47.8307, 61.8411, 95.7690

# Complementary

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



73.2969, 61.8411, 85.1642



67.0321, 86.3403, 72.1669

# 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.



45.4099, 61.8411, 72.4926



73.2969, 61.8411, 85.1642



50.4207, 61.8411, 39.0623

# Square

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



73.2969, 61.8411, 85.1642



64.7123, 61.8411, 35.6659



46.3156, 61.8411, 52.1849



53.2183, 61.8411, 113.7253



# Rectangle

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



73.2969, 61.8411, 85.1642



72.8243, 61.8411, 50.0953



46.3156, 61.8411, 52.1849



46.6652, 61.8411, 88.1342

# Sweetspot

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



73.2984, 61.8437, 85.1655



87.8687, 87.2618, 101.4983



60.8550, 55.0428, 102.0247



18.5354, 18.1975, 21.4366



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.



73.2984, 61.8437, 85.1655



69.8550, 55.9613, 80.9211



68.8996, 60.0842, 62.0017



18.5354, 18.1975, 21.4366



25.6551, 12.7513, 22.6320



2.5474, 1.2613, 2.4639



# Inverse Universe

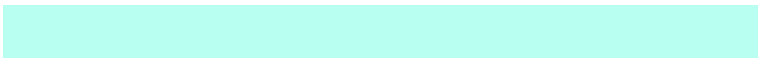
The Inverse Universe completely reimagines the original color for something new.



73.2984, 61.8437, 85.1655



69.8550, 55.9613, 80.9211



71.6464, 88.1860, 96.4655



18.5354, 18.1975, 21.4366



25.6551, 12.7513, 22.6320

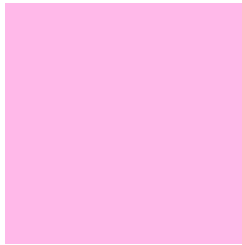


2.5474, 1.2613, 2.4639



# Previews

## White Background



This preview shows how the XYZ color 73.2969, 61.8411, 85.1642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

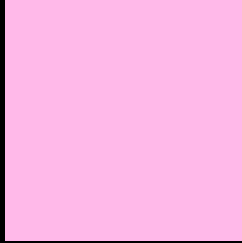
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.2969, 61.8411, 85.1642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

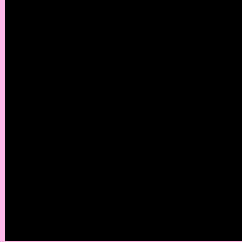
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.2969, 61.8411, 85.1642

## Background



This preview shows how black text looks on a background with the XYZ color 73.2969, 61.8411, 85.1642.



This preview shows how white text looks on a background with the XYZ color 73.2969, 61.8411,

85.1642.

# 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

73.2969, 61.8411, 85.1642

### Protanopia

61.7546, 62.3222, 95.9634

### Deuteranopia

63.4885, 62.0854, 83.5004



## Tritanopia

69.2166, 61.7439, 66.0273

# Trichromacy



## Original Color

73.2969, 61.8411, 85.1642



## Protanomaly

65.2847, 61.7991, 91.7066



## Deuteranomaly

66.5720, 61.6227, 83.9870



## Tritanomaly

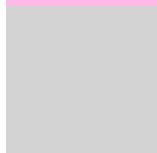
70.3938, 61.5682, 72.4637

# Monochromacy



## Original Color

73.2969, 61.8411, 85.1642



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

65.5853, 63.6864, 75.8538

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.2969, 61.8411, 85.1642 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, 185, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 233)  
}
```

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, 185, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2969, 61.8411, 85.1642 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".

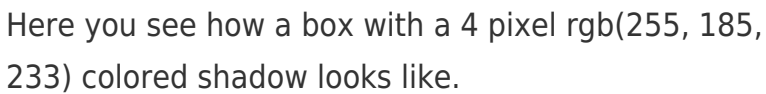
```
.border, #border, table{ border:4px solid rgb(255, 185, 233) }
```



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

```
.border{ border-color:rgb(255, 185, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 185, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.2969, 61.8411, 85.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 233) }
```

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

```
.background{ background-color: rgb(255,  
185, 233) }
```

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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