

# Converting Colors

XYZ(73.3650, 59.1810, 93.8074)

Have a look what the booklet for  
XYZ(73.3650, 59.1810, 93.8074)  
contains.

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# Color

**XYZ(73.4436, 59.2969,  
93.9607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB1F5
RGB	255, 177, 245
RGB Percent	100%, 69%, 96%
CMY	0.0000, 0.3059, 0.0392
CMYK	0.00, 0.31, 0.04, 0.00
HSL	308°, 100%, 85%
HSV	308°, 31%, 100%
XYZ	73.4436, 59.2969, 93.9607
YIQ	208.0740, 24.6600, 37.6840

# Conversions

## Conversions Part 2

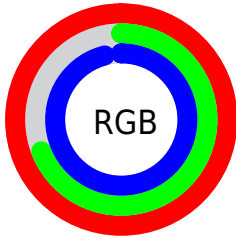
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 177, 245</a>
Decimal	<a href="#">16757237</a>
CIELab	<a href="#">81.45, 38.76, -22.39</a>
CIELCh	<a href="#">81, 44.757, 329.989</a>
Yxy	<a href="#">59.2969, 0.3240, 0.2616</a>
Android (android.graphics.Color)	<a href="#">4294947317</a> (0xFFFFB1F5)
YUV	<a href="#">208.0740, 18.2045, 41.1541</a>
Hunter-Lab	<a href="#">77.0045, 35.4879, -18.4424</a>

# Details

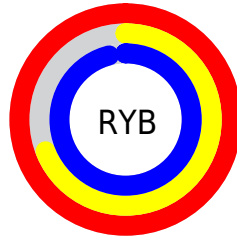
The XYZ color **73.4436, 59.2969, 93.9607** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **62.8630, 84.4559, 60.0049**, and the grayscale version is **59.8781, 62.9964, 68.6031**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **39.2942, 29.7104, 51.8078** is the 20% darker color. If you saturate the color by 10%, you get **68.3750, 49.9511, 89.8312**, and if you desaturate by 10%, it is **79.4647, 70.5330, 98.4528**.

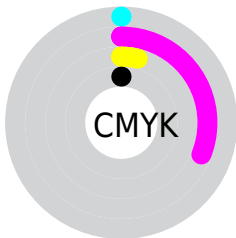
# Distribution



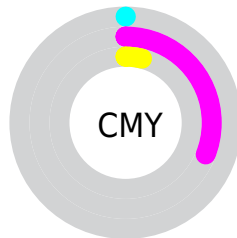
- Red (100%)
- Green (69%)
- Blue (96%)



- Red (100%)
- Yellow (69%)
- Blue (96%)



- Cyan (0%)
- Magenta (31%)
- Yellow (4%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.4436, 59.2969, 93.9607 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 73.4436, 59.2969, 93.9607 by changing the saturation by 10% instead.





 73.4436, 59.2969,  
93.9607

 73.4436, 59.2969,  
93.9607


461.6308,  
422.0013, 561.7315

 54.6284, 42.8522,  
70.6782

 123.1065,  
103.8091, 154.8112

 39.3370, 29.7691,  
51.5994


154.6849,  
132.6453, 193.2162

 27.2039, 19.6634,  
36.3058


191.2485,  
166.3808, 237.4992

 17.8638, 12.1506,  
24.3789

233.1626,  
205.3999, 288.0786

 10.9513, 6.8463,  
15.4001

280.7925,  
250.0872, 345.3730

 6.1012, 3.3662,  
8.9510

334.5036,

 2.9479, 1.3258,

300.8269, 409.8009

4.6128

394.6613,  
358.0035, 481.7809

■ 1.1263, 0.1610,  
1.9672

■ 0.0469, 0.0000,  
0.5350

■ 73.4436, 59.2969,  
93.9607

■ 73.4436, 59.2969,  
93.9607

■ 68.3750, 49.9511,  
89.8312

■ 79.4647, 70.5330,  
98.4528

■ 64.2023, 42.3835,  
86.0428

■ 86.4828, 83.7492,  
103.3202

■ 60.8692, 36.4811,  
82.5773

94.5444, 99.0381,  
108.5794

■ 58.3112, 32.1149,  
79.4131

95.0500, 100.0000,  
108.9000

■ 56.4543, 29.1371,  
76.5251

■ 55.2101, 27.3709,  
73.8838

■ 54.4662, 26.5505,  
71.5782

# Harmonies

## Analogous

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



65.8528, 59.2969, 120.3540



73.4436, 59.2969, 93.9607



76.3630, 59.2969, 64.5739

# Triad

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



73.4436, 59.2969, 93.9607



56.3633, 59.2969, 25.4928



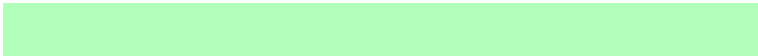
42.1521, 59.2969, 93.9392

# Complementary

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



73.4436, 59.2969, 93.9607



62.8630, 84.4559, 60.0049

# 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.



40.1959, 59.2969, 64.5546



73.4436, 59.2969, 93.9607



47.8262, 59.2969, 29.3941

# Square

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



73.4436, 59.2969, 93.9607



65.8592, 59.2969, 29.3998



42.1549, 59.2969, 42.0440



47.8210, 59.2969, 120.3394



# Rectangle

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



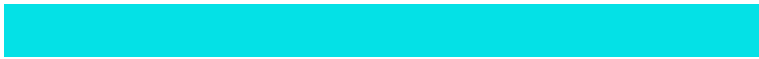
73.4436, 59.2969, 93.9607



75.0418, 59.2969, 48.4842



42.1549, 59.2969, 42.0440



41.0685, 59.2969, 83.8564

# Sweetspot

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



73.4449, 59.2993, 93.9619



87.6905, 86.0333, 104.1278



54.0486, 49.1189, 101.2400



18.5320, 17.9657, 22.1290



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.



73.4449, 59.2993, 93.9619



70.0870, 53.0928, 91.2721



68.2140, 57.2069, 66.4165



18.6865, 18.2579, 22.2324



28.4990, 13.8889, 37.6079



2.8016, 1.3630, 3.8028



# Inverse Universe

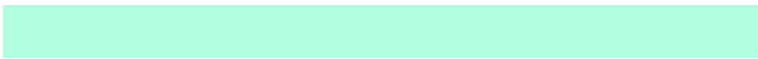
The Inverse Universe completely reimagines the original color for something new.



73.4449, 59.2993, 93.9619



70.0870, 53.0928, 91.2721



67.4974, 86.3096, 84.4093



18.6865, 18.2579, 22.2324



28.4990, 13.8889, 37.6079



2.8016, 1.3630, 3.8028



# Previews

## White Background



This preview shows how the XYZ color 73.4436, 59.2969, 93.9607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

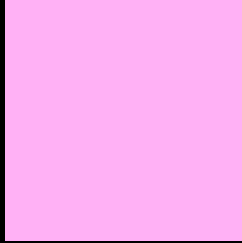
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.4436, 59.2969, 93.9607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

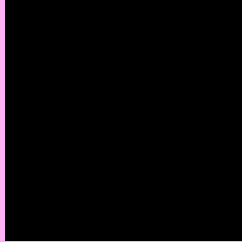
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.4436, 59.2969, 93.9607**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.4436, 59.2969, 93.9607.



This preview shows how white text looks on a background with the XYZ color 73.4436, 59.2969,



# 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

73.4436, 59.2969, 93.9607

### Protanopia

59.9229, 59.8121, 102.9944

### Deuteranopia

60.9731, 59.5764, 91.5049



## Tritanopia

67.0512, 59.4277, 62.5803

# Trichromacy



## Original Color

73.4436, 59.2969, 93.9607



## Protanomaly

63.7028, 58.8104, 99.2608



## Deuteranomaly

64.8719, 58.9257, 91.9591



## Tritanomaly

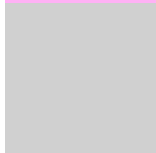
69.1118, 59.3341, 72.7758

# Monochromacy



## Original Color

73.4436, 59.2969, 93.9607



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

64.0687, 61.1605, 76.8350

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.4436, 59.2969, 93.9607 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, 177, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 245)  
}
```

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, 177, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 73.4436, 59.2969, 93.9607 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, 177, 245) }
```



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

```
.border{ border-color:rgb(255, 177, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.4436, 59.2969, 93.9607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 245) }
```

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

```
.background{ background-color: rgb(255,  
177, 245) }
```

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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