

# Converting Colors

XYZ(73.5624, 58.9010,  
100.6578)

Have a look what the booklet for  
XYZ(73.5624, 58.9010, 100.6578)  
contains.

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# Color

**XYZ(73.3998, 58.8380,  
100.4168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCB0FD
RGB	252, 176, 253
RGB Percent	99%, 69%, 99%
CMY	0.0118, 0.3098, 0.0078
CMYK	0.00, 0.30, 0.00, 0.01
HSL	299°, 95%, 84%
HSV	299°, 30%, 99%
XYZ	73.3998, 58.8380, 100.4168
YIQ	207.5020, 20.5790, 40.0590

# Conversions

## Conversions Part 2

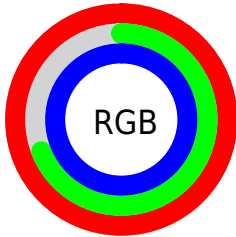
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 176, 253
Decimal	16560381
CIE <sub>Lab</sub>	81.20, 39.75, -27.09
CIE <sub>LCh</sub>	81, 48.102, 325.731
Yxy	58.8380, 0.3155, 0.2529
Android (android.graphics.Color)	4294750461 (0xFFFCB0FD)
YUV	207.5020, 22.4305, 39.0247
Hunter-Lab	76.7059, 36.5710, -23.9232

# Details

The XYZ color **73.3998, 58.8380, 100.4168** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.0954, 82.7338, 53.8265**, and the grayscale version is **59.4840, 62.5818, 68.1516**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **39.1715, 29.3739, 55.8297** is the 20% darker color. If you saturate the color by 10%, you get **68.7756, 49.7650, 98.9101**, and if you desaturate by 10%, it is **78.9523, 69.7651, 102.2341**.

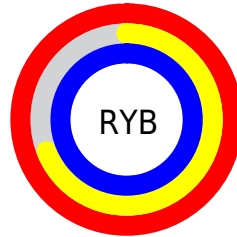
# Distribution



Red (99%)

Green (69%)

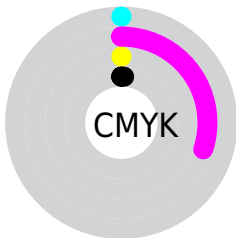
Blue (99%)



Red (99%)

Yellow (69%)

Blue (99%)

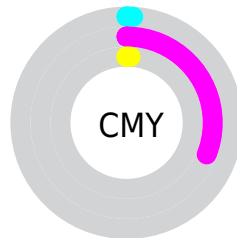


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (1%)



Cyan (1%)

Magenta (31%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3998, 58.8380, 100.4168 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 73.3998, 58.8380, 100.4168 by changing the saturation by 10% instead.





 73.3998, 58.8380,  
100.4168

 73.3998, 58.8380,  
100.4168


461.4816,  
420.3013, 582.7862

 54.5925, 42.4827,  
76.0298


 123.0447,  
103.1422, 163.7867

 39.3081, 29.4795,  
55.9502


154.6130,  
131.8599, 203.6068

 27.1813, 19.4438,  
39.7593


191.1656,  
165.4672, 249.4082

 17.8467, 11.9914,  
27.0385

233.0680,  
204.3484, 301.6097

 10.9390, 6.7378,  
17.3695

280.6854,  
248.8881, 360.6297

 6.0928, 3.2987,  
10.3335


334.3832,


 2.9428, 1.2896,


299.4705, 426.8868


5.5122


394.5269,  
356.4801, 500.7994


 1.1236, 0.1331,  
2.4868


 0.0447, 0.0000,  
0.8332

 73.3998, 58.8380,  
100.4168


 73.3998, 58.8380,  
100.4168


 68.7756, 49.7650,  
98.9101


 78.9523, 69.7651,  
102.2341


 65.0228, 42.4353,  
97.6931

 85.4750, 82.6334,  
104.3742

 62.0865, 36.7387,  
96.7483

 93.0139, 97.5339,  
106.8530

 59.9039, 32.5490,  
96.0547

 94.1127, 99.5538,  
107.1849

■ 58.4025, 29.7215, 94.2326, 99.6156,  
95.5880 107.1905

■ 57.4960, 28.0833, 94.3527, 99.6775,  
95.3196 107.1961

■ 57.0526, 27.3636, 94.4730, 99.7395,  
95.2041 107.2018

94.5935, 99.8016,  
107.2074

94.7142, 99.8639,  
107.2131

# Harmonies

## Analogous

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



64.7100, 58.8380, 127.7153



73.3998, 58.8380, 100.4168



77.4152, 58.8380, 68.2592

# Triad

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



73.3998, 58.8380, 100.4168



57.3698, 58.8380, 23.2968



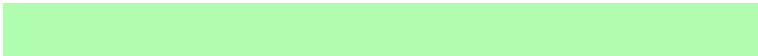
40.3047, 58.8380, 91.1224

# Complementary

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



73.3998, 58.8380, 100.4168



61.0954, 82.7338, 53.8265

# 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.



38.8307, 58.8380, 60.0454



73.3998, 58.8380, 100.4168



47.9712, 58.8380, 26.1120

# Square

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



73.3998, 58.8380, 100.4168



67.4859, 58.8380, 28.4350



41.4683, 58.8380, 37.7525



45.7639, 58.8380, 121.3209



# Rectangle

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



73.3998, 58.8380, 100.4168



76.5884, 58.8380, 50.2420



41.4683, 58.8380, 37.7525



39.3569, 58.8380, 80.2150

# Sweetspot

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



73.4017, 58.8406, 100.4181



88.0512, 86.1649, 106.5984



51.4149, 47.8813, 99.4615



18.6215, 17.9984, 22.7425



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.



73.4017, 58.8406, 100.4181



71.5246, 53.6160, 101.1869



68.4020, 56.8826, 72.1955



18.7680, 18.2877, 22.7906



30.3600, 14.5617, 50.6451



2.9633, 1.4215, 4.9315



# Inverse Universe

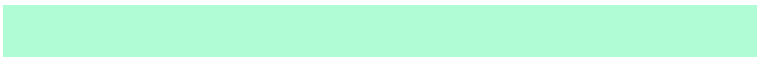
The Inverse Universe completely reimagines the original color for something new.



63.9712, 55.1103, 48.8635



60.4343, 49.2318, 40.4416



65.0696, 84.2973, 75.9389



18.0190, 17.9909, 18.7171



21.5624, 11.1142, 1.0801



2.1027, 1.0834, 0.1221



# Previews

## White Background



This preview shows how the XYZ color 73.3998, 58.8380, 100.4168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

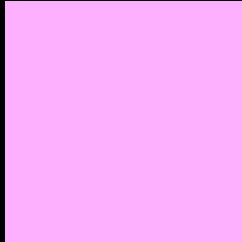
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3998, 58.8380, 100.4168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

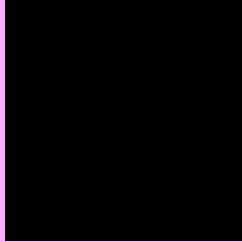
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.3998, 58.8380, 100.4168

## Background



This preview shows how black text looks on a background with the XYZ color 73.3998, 58.8380, 100.4168.



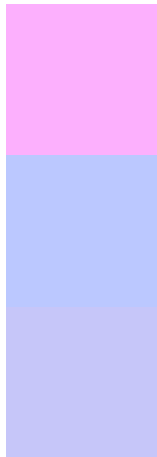
This preview shows how white text looks on a background with the XYZ color 73.3998, 58.8380,

100.4168.

# 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

73.3998, 58.8380, 100.4168

### Protanopia

59.1978, 59.0933, 102.8938

### Deuteranopia

60.5817, 59.2335, 97.8627



## Tritanopia

65.7577, 58.7473, 63.1319

# Trichromacy



## Original Color

73.3998, 58.8380, 100.4168



## Protanomaly

63.3842, 58.2662, 101.6717



## Deuteranomaly

64.5822, 58.6345, 98.3562



## Tritanomaly

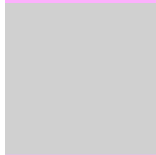
68.3576, 58.5797, 75.4143

# Monochromacy



## Original Color

73.3998, 58.8380, 100.4168



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

63.9349, 60.7090, 78.8693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3998, 58.8380, 100.4168 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(252, 176, 253)` looks like.

```
.text, #text, p{  
    color:rgb(252, 176, 253)  
}
```

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(252, 176, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 176, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3998, 58.8380, 100.4168 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(252, 176, 253) }
```



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

```
.border{ border-color:rgb(252, 176, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 176, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 176, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 176, 253);  
box-shadow:4px 4px 4px 4px rgb(252, 176,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3998, 58.8380, 100.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 176, 253) }
```

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

```
.background{ background-color: rgb(252,  
176, 253) }
```

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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