

# Converting Colors

XYZ(63.7271, 48.4808, 64.1573)

Have a look what the booklet for  
XYZ(63.7271, 48.4808, 64.1573)  
contains.

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# Color

**XYZ(63.7718, 48.4987,  
64.3926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99CE
RGB	255, 153, 206
RGB Percent	100%, 60%, 81%
CMY	0.0000, 0.4000, 0.1922
CMYK	0.00, 0.40, 0.19, 0.00
HSL	329°, 100%, 80%
HSV	329°, 40%, 100%
XYZ	63.7718, 48.4987, 64.3926
YIQ	189.5400, 43.7790, 38.1070

# Conversions

## Conversions Part 2

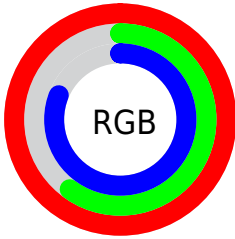
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 206
Decimal	16751054
CIE <sub>Lab</sub>	75.14, 44.89, -10.74
CIE <sub>LCh</sub>	75, 46.153, 346.543
Yxy	48.4987, 0.3610, 0.2745
Android (android.graphics.Color)	4294941134 (0xFFFF99CE)
YUV	189.5400, 8.1148, 57.4084
Hunter-Lab	69.6410, 41.5846, -6.0730

# Details

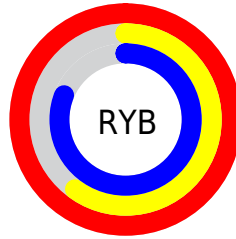
The XYZ color **63.7718, 48.4987, 64.3926** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.5594, 82.5575, 68.6766**, and the grayscale version is **48.6177, 51.1496, 55.7019**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **32.8943, 22.9264, 32.3973** is the 20% darker color. If you saturate the color by 10%, you get **58.6046, 40.4538, 55.6117**, and if you desaturate by 10%, it is **69.9492, 58.3779, 74.0837**.

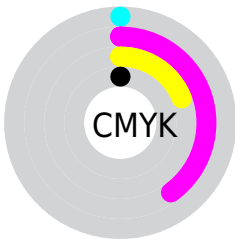
# Distribution



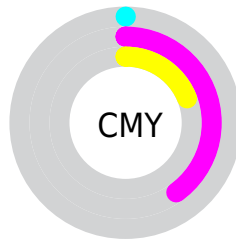
- Red (100%)
- Green (60%)
- Blue (81%)



- Red (100%)
- Yellow (60%)
- Blue (81%)



- Cyan (0%)
- Magenta (40%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7718, 48.4987, 64.3926 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 63.7718, 48.4987, 64.3926 by changing the saturation by 10% instead.





 63.7718, 48.4987,  
64.3926

 63.7718, 48.4987,  
64.3926


427.9804,  
380.7655, 458.8523

 46.7269, 34.2220,  
46.5205

 109.3578, 87.9465,  
112.7811

 33.0268, 23.0642,  
32.3051


 138.6296,  
113.8863, 144.1345

 22.3063, 14.6409,  
21.3279


172.7077,  
144.4826, 180.8188

 14.2000, 8.5678,  
13.1703

211.9574,  
180.1198, 223.2525

 8.3425, 4.4603,  
7.4138

256.7442,  
221.1823, 271.8542

 4.3685, 1.9343,  
3.6399

307.4334,

 1.9127, 0.5689,

268.0545, 327.0424

1.4299

364.3904,  
321.1207, 389.2356

■ 0.5842, 0.0000,  
0.1649

■ 0.0000, 0.0000,  
0.0000

■ 63.7718, 48.4987,  
64.3926

■ 63.7718, 48.4987,  
64.3926

■ 58.6046, 40.4538,  
55.6117

■ 69.9492, 58.3779,  
74.0837

■ 54.3839, 34.1208,  
47.7051

■ 77.1880, 70.1902,  
84.7129

■ 51.0444, 29.3729,  
40.6382

■ 85.5400, 84.0355,  
96.3103

■ 48.5098, 26.0625,  
34.3716

95.0500, 100.0000,  
108.9000

■ 46.6900, 24.0137,  
28.8607

■ 45.4391, 22.9397,  
24.0417

■ 45.4388, 22.9395,  
24.0406

# Harmonies

## Analogous

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



58.9245, 48.4987, 91.7123



63.7718, 48.4987, 64.3926



63.4911, 48.4987, 40.6354

# Triad

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



63.7718, 48.4987, 64.3926



41.6236, 48.4987, 19.5824



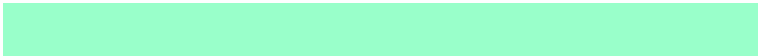
35.8002, 48.4987, 94.2957

# Complementary

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



63.7718, 48.4987, 64.3926



59.5594, 82.5575, 68.6766

# 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.



32.2101, 48.4987, 67.1943



63.7718, 48.4987, 64.3926



35.2802, 48.4987, 26.8326

# Square

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



63.7718, 48.4987, 64.3926



49.9820, 48.4987, 19.2496



32.0322, 48.4987, 42.7015



42.4179, 48.4987, 112.2172



# Rectangle

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



63.7718, 48.4987, 64.3926



60.4206, 48.4987, 29.6643



32.0322, 48.4987, 42.7015



34.2367, 48.4987, 85.6398

# Sweetspot

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



63.7730, 48.5009, 64.3936



83.7760, 81.0957, 93.9090



53.4232, 42.3672, 99.9697



17.6905, 16.9571, 19.7697



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.



63.7730, 48.5009, 64.3936



59.5592, 41.9203, 57.2948



58.6675, 46.4587, 37.5085



18.4035, 18.1447, 20.7422



23.8187, 12.0168, 12.9617



2.3744, 1.1921, 1.5529



# Inverse Universe

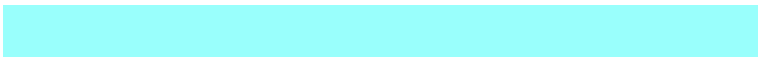
The Inverse Universe completely reimagines the original color for something new.



63.7730, 48.5009, 64.3936



59.5592, 41.9203, 57.2948



66.4055, 85.2959, 104.7275



18.4035, 18.1447, 20.7422



23.8187, 12.0168, 12.9617



2.3744, 1.1921, 1.5529



# Previews

## White Background



This preview shows how the XYZ color 63.7718, 48.4987, 64.3926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

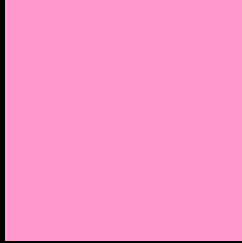
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.7718, 48.4987, 64.3926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

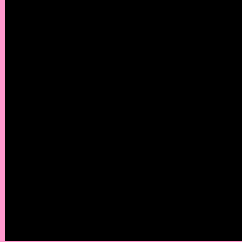
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.7718, 48.4987, 64.3926**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.7718, 48.4987, 64.3926.



This preview shows how white text looks on a background with the XYZ color 63.7718, 48.4987,



# 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

63.7718, 48.4987, 64.3926

### Protanopia

48.7725, 49.0021, 78.8393

### Deuteranopia

49.6288, 48.5953, 62.0225



## Tritanopia

59.5325, 48.2458, 44.7027

# Trichromacy



## Original Color

63.7718, 48.4987, 64.3926



## Protanomaly

52.9066, 47.9807, 73.4906



## Deuteranomaly

53.7695, 47.8130, 62.8948



## Tritanomaly

60.8536, 48.2701, 51.4571

# Monochromacy



## Original Color

63.7718, 48.4987, 64.3926



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

53.4175, 49.7259, 59.0072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7718, 48.4987, 64.3926 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, 153, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 206)  
}
```

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, 153, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7718, 48.4987, 64.3926 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, 153, 206) }
```



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

```
.border{ border-color:rgb(255, 153, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7718, 48.4987, 64.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 206) }
```

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

```
.background{ background-color: rgb(255,  
153, 206) }
```

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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