

# Converting Colors

XYZ(57.4732, 40.0034, 49.6477)

Have a look what the booklet for  
XYZ(57.4732, 40.0034, 49.6477)  
contains.

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# Color

**XYZ(57.5064, 40.1172,  
49.5122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF80B7
RGB	255, 128, 183
RGB Percent	100%, 50%, 72%
CMY	0.0000, 0.4980, 0.2823
CMYK	0.00, 0.50, 0.28, 0.00
HSL	334°, 100%, 75%
HSV	334°, 50%, 100%
XYZ	57.5064, 40.1172, 49.5122
YIQ	172.2430, 58.0370, 44.0290

# Conversions

## Conversions Part 2

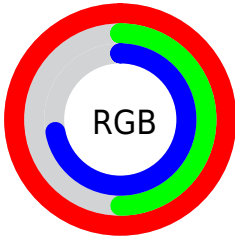
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 128, 183
Decimal	16744631
CIE <sub>Lab</sub>	69.55, 54.13, -6.29
CIE <sub>LCh</sub>	70, 54.494, 353.370
Yxy	40.1172, 0.3908, 0.2727
Android (android.graphics.Color)	4294934711 (0xFFFF80B7)
YUV	172.2430, 5.3032, 72.5779
Hunter-Lab	63.3381, 51.2232, -2.0110

# Details

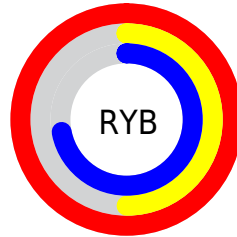
The XYZ color **57.5064, 40.1172, 49.5122** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **55.0892, 80.2802, 67.2396**, and the grayscale version is **39.2903, 41.3364, 45.0154**.

A 20% lighter version of the original color is **73.9605, 61.7730, 89.6866**, and **28.9175, 17.9789, 23.0652** is the 20% darker color. If you saturate the color by 10%, you get **53.1600, 33.7102, 41.0166**, and if you desaturate by 10%, it is **62.8450, 48.2611, 59.1020**.

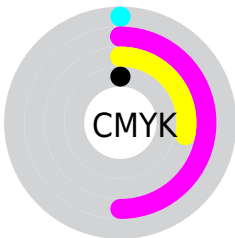
# Distribution



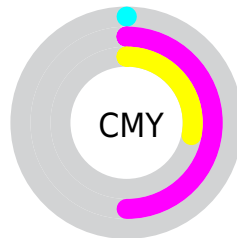
- Red (100%)
- Green (50%)
- Blue (72%)



- Red (100%)
- Yellow (50%)
- Blue (72%)



- Cyan (0%)
- Magenta (50%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5064, 40.1172, 49.5122 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 57.5064, 40.1172, 49.5122 by changing the saturation by 10% instead.





 57.5064, 40.1172,  
49.5122


 57.5064, 40.1172,  
49.5122


405.3277,  
346.6173, 401.4356


 41.6537, 27.6299,  
34.6575


 100.3308, 75.3419,  
90.8406

 29.0201, 18.0469,  
23.1177


 128.0332, 98.8482,  
118.1513

 19.2404, 10.9837,  
14.4743


 160.4162,  
126.7963, 150.4511

 11.9492, 6.0558,  
8.3088

197.8452,  
159.5705, 188.1586

 6.7810, 2.8791,  
4.2026

240.6855,  
197.5554, 231.6922

 3.3706, 1.0689,  
1.7371

289.3024,

 1.3527, 0.0000,

241.1352, 281.4706

0.3860

344.0614,  
290.6944, 337.9122

■ 0.2221, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5064, 40.1172,  
49.5122

■ 57.5064, 40.1172,  
49.5122

■ 53.1600, 33.7102,  
41.0166

■ 62.8450, 48.2611,  
59.1020

■ 49.7343, 28.9047,  
33.5673

■ 69.2345, 58.2523,  
69.8262

■ 47.1524, 25.5547,  
27.1150

■ 76.7323, 70.1987,  
81.7255

■ 45.3222, 23.4842,  
21.6036

■ 85.3906, 84.1983,  
94.8375

■ 44.0990, 22.4124, 95.0500, 100.0000,  
16.9582 108.9000

■ 44.0778, 22.3951,  
16.8734

# Harmonies

## Analogous

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



53.3680, 40.1172, 79.4002



57.5064, 40.1172, 49.5122



55.8475, 40.1172, 27.1542

# Triad

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



57.5064, 40.1172, 49.5122



31.8103, 40.1172, 12.6079



28.9076, 40.1172, 95.1879

# Complementary

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



57.5064, 40.1172, 49.5122



55.0892, 80.2802, 67.2396

# 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.



24.6227, 40.1172, 65.8356



57.5064, 40.1172, 49.5122



26.1098, 40.1172, 20.6951

# Square

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



57.5064, 40.1172, 49.5122



40.1154, 40.1172, 11.0809



23.6833, 40.1172, 38.3263



36.2116, 40.1172, 111.5740



# Rectangle

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



57.5064, 40.1172, 49.5122



51.7856, 40.1172, 18.1569



23.6833, 40.1172, 38.3263



27.1148, 40.1172, 86.0726

# Sweetspot

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



57.5074, 40.1191, 49.5130



80.7413, 76.6581, 87.8671



49.5814, 34.9354, 98.7377



16.8981, 15.7883, 18.2225



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.



57.5074, 40.1191, 49.5130



53.0831, 33.5994, 40.8585



54.0077, 40.5606, 25.4070



18.3360, 18.1177, 20.3864



23.1032, 11.7306, 9.1938



2.3031, 1.1636, 1.1773



# Inverse Universe

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



57.5074, 40.1191, 49.5130



53.0831, 33.5994, 40.8585



60.0715, 78.0465, 106.5061



18.3360, 18.1177, 20.3864



23.1032, 11.7306, 9.1938



2.3031, 1.1636, 1.1773



# Previews

## White Background



This preview shows how the XYZ color 57.5064, 40.1172, 49.5122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

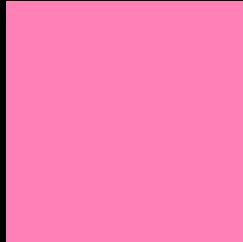
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5064, 40.1172, 49.5122 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 57.5064, 40.1172, 49.5122

## Background



This preview shows how black text looks on a background with the XYZ color 57.5064, 40.1172, 49.5122.



This preview shows how white text looks on a background with the XYZ color 57.5064, 40.1172,



# 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

57.5064, 40.1172, 49.5122

### Protanopia

40.3945, 40.5565, 66.0208

### Deuteranopia

41.1581, 40.2749, 47.1995



## Tritanopia

53.9197, 40.0677, 31.6800

# Trichromacy



## Original Color

57.5064, 40.1172, 49.5122



## Protanomaly

44.4866, 38.8834, 59.8041



## Deuteranomaly

45.9433, 39.4128, 47.8338



## Tritanomaly

55.0173, 39.8884, 37.6004

# Monochromacy



## Original Color

57.5064, 40.1172, 49.5122



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

44.0821, 39.4681, 46.3690

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5064, 40.1172, 49.5122 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, 128, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 183)  
}
```

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, 128, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5064, 40.1172, 49.5122 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, 128, 183) }
```



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

```
.border{ border-color:rgb(255, 128, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5064, 40.1172, 49.5122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 183) }
```

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

```
.background{ background-color: rgb(255,  
128, 183) }
```

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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