

# Converting Colors

XYZ(57.1465, 39.5742, 48.8474)

Have a look what the booklet for  
XYZ(57.1465, 39.5742, 48.8474)  
contains.

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# Color

**XYZ(57.1444, 39.5591,  
48.8798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7EB6
RGB	255, 126, 182
RGB Percent	100%, 49%, 71%
CMY	0.0000, 0.5059, 0.2863
CMYK	0.00, 0.51, 0.29, 0.00
HSL	334°, 100%, 75%
HSV	334°, 51%, 100%
XYZ	57.1444, 39.5591, 48.8798
YIQ	170.9550, 58.9080, 44.7640

# Conversions

## Conversions Part 2

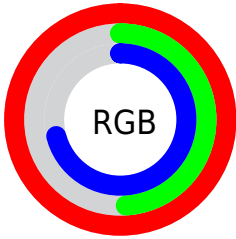
Format	Color
R <sub>Y</sub> B	255, 126, 182
Decimal	16744118
CIE Lab	69.15, 54.96, -6.32
CIE LCh	69, 55.320, 353.439
Yxy	39.5591, 0.3925, 0.2717
Android (android.graphics.Color)	4294934198 (0xFFFF7EB6)
YUV	170.9550, 5.4452, 73.7075
Hunter-Lab	62.8960, 52.1087, -2.0502

# Details

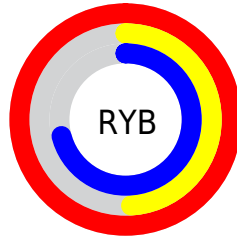
The XYZ color **57.1444, 39.5591, 48.8798** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **54.6748, 80.0800, 66.6121**, and the grayscale version is **38.6401, 40.6524, 44.2705**.

A 20% lighter version of the original color is **73.4006, 60.8889, 88.7730**, and **28.7214, 17.6936, 22.6703** is the 20% darker color. If you saturate the color by 10%, you get **52.8738, 33.2831, 40.4736**, and if you desaturate by 10%, it is **62.4014, 47.5620, 58.3740**.

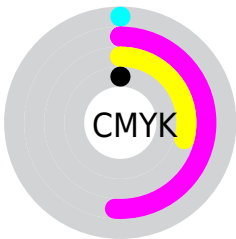
# Distribution



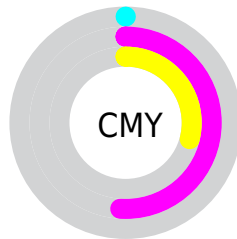
- Red (100%)
- Green (49%)
- Blue (71%)



- Red (100%)
- Yellow (49%)
- Blue (71%)



- Cyan (0%)
- Magenta (51%)
- Yellow (29%)
- Black (0%)



- Cyan (0%)
- Magenta (51%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1444, 39.5591, 48.8798 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 57.1444, 39.5591, 48.8798 by changing the saturation by 10% instead.





 57.1444, 39.5591,  
48.8798


 57.1444, 39.5591,  
48.8798


403.9956,  
344.2617, 398.8778


 41.3618, 27.1949,  
34.1592

 99.8060, 74.4917,  
89.8920

 28.7908, 17.7197,  
22.7376


 127.4157, 97.8289,  
117.0208

 19.0661, 10.7489,  
14.1964


 159.6984,  
125.5925, 149.1226

 11.8223, 5.8983,  
8.1171

197.0196,  
158.1671, 186.6162

 6.6942, 2.7833,  
4.0811

239.7446,  
195.9368, 229.9199

 3.3162, 1.0197,  
1.6699

288.2386,

 1.3231, 0.0000,

239.2863, 279.4524

0.3400

342.8672,  
288.5998, 335.6322

■ 0.2004, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.1444, 39.5591,  
48.8798

■ 57.1444, 39.5591,  
48.8798

■ 52.8738, 33.2831,  
40.4736

■ 62.4014, 47.5620,  
58.3740

■ 49.5178, 28.5976,  
33.1073

■ 68.7042, 57.4034,  
68.9966

■ 46.9985, 25.3549,  
26.7313

■ 76.1104, 69.1917,  
80.7881

■ 45.2224, 23.3758,  
21.2893

■ 84.6726, 83.0257,  
93.7863

■ 44.0923, 22.4009,  
16.9498

94.4399, 98.9969,  
108.0271

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



52.9750, 39.5591, 79.0736



57.1444, 39.5591, 48.8798



55.4542, 39.5591, 26.4638

# Triad

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



57.1444, 39.5591, 48.8798



31.2347, 39.5591, 12.0650



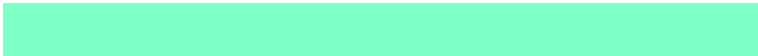
28.3546, 39.5591, 95.2114

# Complementary

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



57.1444, 39.5591, 48.8798



54.6748, 80.0800, 66.6121

# 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.



24.0591, 39.5591, 65.4877



57.1444, 39.5591, 48.8798



25.5307, 39.5591, 20.0925

# Square

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



57.1444, 39.5591, 48.8798



39.5761, 39.5591, 10.5499



23.1129, 39.5591, 37.7456



35.6903, 39.5591, 111.8092



# Rectangle

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



57.1444, 39.5591, 48.8798



51.3446, 39.5591, 17.5197



23.1129, 39.5591, 37.7456



26.5569, 39.5591, 85.9730

# Sweetspot

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



57.1454, 39.5610, 48.8805



80.7470, 76.6604, 87.8971



48.5255, 34.0076, 98.6143



16.8994, 15.7888, 18.2297



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.



57.1454, 39.5610, 48.8805



52.7170, 33.0582, 40.1478



53.3197, 39.3933, 24.5345



18.3368, 18.1180, 20.3907



23.1108, 11.7336, 9.2341



2.3038, 1.1639, 1.1814



# Inverse Universe

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



57.1454, 39.5610, 48.8805



52.7170, 33.0582, 40.1478



60.3921, 79.1299, 106.6983



18.3368, 18.1180, 20.3907



23.1108, 11.7336, 9.2341



2.3038, 1.1639, 1.1814



# Previews

## White Background



This preview shows how the XYZ color 57.1444, 39.5591, 48.8798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

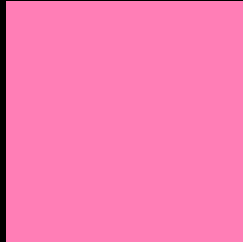
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.1444, 39.5591, 48.8798 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

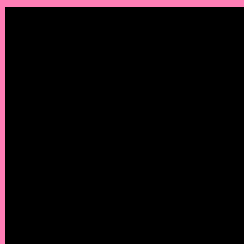
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.1444, 39.5591, 48.8798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.1444, 39.5591, 48.8798.



This preview shows how white text looks on a background with the XYZ color 57.1444, 39.5591,



# 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

57.1444, 39.5591, 48.8798

### Protanopia

40.0085, 40.0823, 65.9496

### Deuteranopia

40.6404, 39.7528, 46.6054



## Tritanopia

53.2667, 39.5426, 30.8116

# Trichromacy



## Original Color

57.1444, 39.5591, 48.8798



## Protanomaly

44.2057, 38.5081, 59.1357



## Deuteranomaly

45.2367, 38.5824, 47.1824



## Tritanomaly

54.3470, 39.3624, 36.6316

# Monochromacy



## Original Color

57.1444, 39.5591, 48.8798



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

43.8163, 39.0944, 45.7940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1444, 39.5591, 48.8798 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, 126, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 182)  
}
```

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, 126, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1444, 39.5591, 48.8798 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, 126, 182) }
```



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

```
.border{ border-color:rgb(255, 126, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1444, 39.5591, 48.8798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 182) }
```

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

```
.background{ background-color: rgb(255,  
126, 182) }
```

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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