

# Converting Colors

XYZ(63.0663, 50.2846, 54.3017)

Have a look what the booklet for  
XYZ(63.0663, 50.2846, 54.3017)  
contains.

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# Color

**XYZ(63.1702, 50.4239,  
54.5475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA1BD
RGB	255, 161, 189
RGB Percent	100%, 63%, 74%
CMY	0.0000, 0.3686, 0.2588
CMYK	0.00, 0.37, 0.26, 0.00
HSL	342°, 100%, 82%
HSV	342°, 37%, 100%
XYZ	63.1702, 50.4239, 54.5475
YIQ	192.2980, 47.0360, 28.6360

# Conversions

## Conversions Part 2

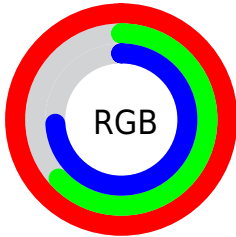
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 161, 189
Decimal	16753085
CIE Lab	76.33, 38.37, 0.34
CIE LCh	76, 38.376, 0.514
Yxy	50.4239, 0.3757, 0.2999
Android (android.graphics.Color)	4294943165 (0xFFFFA1BD)
YUV	192.2980, -1.6259, 54.9897
Hunter-Lab	71.0098, 34.5262, 4.1621

# Details

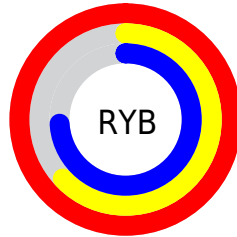
The XYZ color **63.1702, 50.4239, 54.5475** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.3252, 84.6441, 85.6247**, and the grayscale version is **50.2682, 52.8861, 57.5930**.

A 20% lighter version of the original color is **82.5343, 77.4783, 96.9910**, and **32.5714, 24.2385, 26.2543** is the 20% darker color. If you saturate the color by 10%, you get **57.3347, 41.6736, 43.5980**, and if you desaturate by 10%, it is **70.1569, 61.0921, 67.0658**.

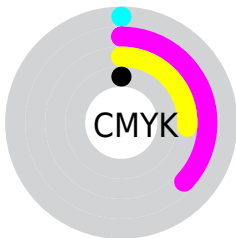
# Distribution



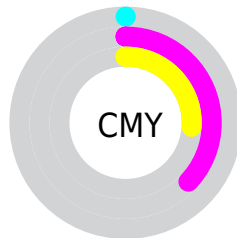
- Red (100%)
- Green (63%)
- Blue (74%)



- Red (100%)
- Yellow (63%)
- Blue (74%)



- Cyan (0%)
- Magenta (37%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1702, 50.4239, 54.5475 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 63.1702, 50.4239, 54.5475 by changing the saturation by 10% instead.




 63.1702, 50.4239,  
54.5475


 63.1702, 50.4239,  
54.5475


425.8368,  
388.3213, 421.4279

 46.2381, 35.7503,  
38.6434


 108.4955, 90.8026,  
98.3421

 32.6392, 24.2414,  
26.1767


 137.6193,  
117.2766, 127.0698

 22.0081, 15.5128,  
16.7290


171.5378,  
148.4528, 160.9090

 13.9795, 9.1801,  
9.8815

210.6162,  
184.7156, 200.2783

 8.1880, 4.8588,  
5.2159

255.2200,  
226.4495, 245.5964

 4.2683, 2.1647,  
2.3135

305.7144,

 1.8550, 0.7006,

274.0388, 297.2816

0.7388

362.4649,  
327.8680, 355.7526

■ 0.5505, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.1702, 50.4239,  
54.5475

■ 63.1702, 50.4239,  
54.5475

■ 57.3347, 41.6736,  
43.5980

■ 70.1569, 61.0921,  
67.0658

■ 52.5822, 34.7195,  
34.1498

■ 78.3501, 73.7763,  
81.2102

■ 48.8431, 29.4369,  
26.1348

■ 87.8060, 88.5761,  
97.0390

■ 46.0376, 25.6819,  
19.4777

95.0500, 100.0000,  
108.9000

■ 44.0729, 23.2860,  
14.0956

■ 42.8336, 22.0365,  
9.8930

■ 42.5427, 21.7811,  
8.7899

# Harmonies

## Analogous

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



61.0366, 50.4239, 76.8580



63.1702, 50.4239, 54.5475



60.8905, 50.4239, 37.1089

# Triad

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



63.1702, 50.4239, 54.5475



41.2257, 50.4239, 27.3079



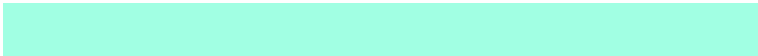
41.4209, 50.4239, 97.2277

# Complementary

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



63.1702, 50.4239, 54.5475



64.3252, 84.6441, 85.6247

# 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.



36.9468, 50.4239, 77.6329



63.1702, 50.4239, 54.5475



36.8423, 50.4239, 37.5863

# Square

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



63.1702, 50.4239, 54.5475



47.8021, 50.4239, 24.0001



35.3563, 50.4239, 55.2602



48.0509, 50.4239, 104.9491



# Rectangle

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



63.1702, 50.4239, 54.5475



57.2943, 50.4239, 29.6060



35.3563, 50.4239, 55.2602



39.6397, 50.4239, 91.6035

# Sweetspot

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



63.1715, 50.4262, 54.5485



83.7348, 82.1866, 90.2782



62.4122, 49.0108, 100.7783



17.6477, 17.1608, 18.8630



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.



63.1715, 50.4262, 54.5485



58.8904, 43.9881, 46.5737



63.9556, 56.3974, 41.2363



18.2320, 18.0761, 19.8387



22.2863, 11.4038, 4.8923



2.2156, 1.1286, 0.7166



# Inverse Universe

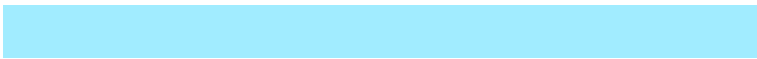
The Inverse Universe completely reimagines the original color for something new.



63.1715, 50.4262, 54.5485



58.8904, 43.9881, 46.5737



62.8027, 74.9047, 105.7557



18.2320, 18.0761, 19.8387



22.2863, 11.4038, 4.8923

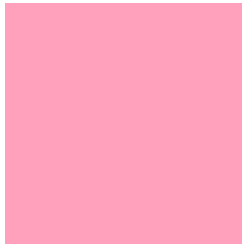


2.2156, 1.1286, 0.7166



# Previews

## White Background



This preview shows how the XYZ color 63.1702, 50.4239, 54.5475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

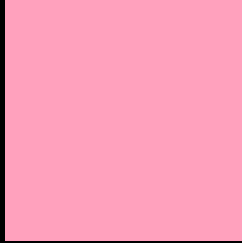
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1702, 50.4239, 54.5475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

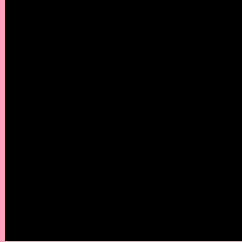
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.1702, 50.4239, 54.5475**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.1702, 50.4239, 54.5475.



This preview shows how white text looks on a background with the XYZ color 63.1702, 50.4239,

54.5475.

# 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

63.1702, 50.4239, 54.5475

### Protanopia

49.2833, 50.5132, 64.9101

### Deuteranopia

51.7029, 50.7797, 52.9754



## Tritanopia

61.8067, 50.3998, 47.5449

# Trichromacy



## Original Color

63.1702, 50.4239, 54.5475



## Protanomaly

53.3806, 49.9614, 60.8629



## Deuteranomaly

55.2442, 50.2127, 53.2347



## Tritanomaly

62.1339, 50.2477, 50.1400

# Monochromacy



## Original Color

63.1702, 50.4239, 54.5475



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

53.9522, 51.2564, 56.3401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1702, 50.4239, 54.5475 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, 161, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 189)  
}
```

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, 161, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1702, 50.4239, 54.5475 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, 161, 189) }
```



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

```
.border{ border-color:rgb(255, 161, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1702, 50.4239, 54.5475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 189) }
```

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

```
.background{ background-color: rgb(255,  
161, 189) }
```

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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