

# Converting Colors

XYZ(62.7287, 48.0815, 58.8998)

Have a look what the booklet for  
XYZ(62.7287, 48.0815, 58.8998)  
contains.

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# Color

**XYZ(62.7093, 48.0737,  
58.7973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99C5
RGB	255, 153, 197
RGB Percent	100%, 60%, 77%
CMY	0.0000, 0.4000, 0.2274
CMYK	0.00, 0.40, 0.23, 0.00
HSL	334°, 100%, 80%
HSV	334°, 40%, 100%
XYZ	62.7093, 48.0737, 58.7973
YIQ	188.5140, 46.6680, 35.3080

# Conversions

## Conversions Part 2

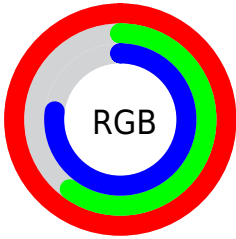
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 197
Decimal	16751045
CIE <sub>Lab</sub>	74.87, 43.59, -6.19
CIE <sub>LCh</sub>	75, 44.029, 351.917
Yxy	48.0737, 0.3698, 0.2835
Android (android.graphics.Color)	4294941125 (0xFFFF99C5)
YUV	188.5140, 4.1836, 58.3082
Hunter-Lab	69.3352, 40.1054, -1.7442

# Details

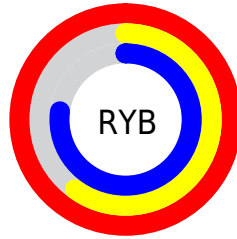
The XYZ color **62.7093, 48.0737, 58.7973** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.6567, 82.9964, 74.4547**, and the grayscale version is **48.0519, 50.5543, 55.0536**.

A 20% lighter version of the original color is **81.9299, 74.0167, 103.7344**, and **32.2800, 22.8333, 28.6925** is the 20% darker color. If you saturate the color by 10%, you get **57.3903, 39.9681, 49.2173**, and if you desaturate by 10%, it is **69.0823, 58.0311, 69.5183**.

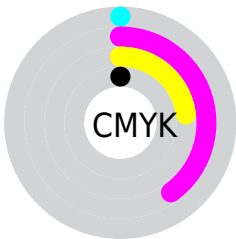
# Distribution



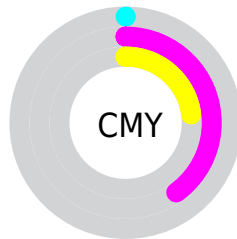
- Red (100%)
- Green (60%)
- Blue (77%)



- Red (100%)
- Yellow (60%)
- Blue (77%)



- Cyan (0%)
- Magenta (40%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7093, 48.0737, 58.7973 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 62.7093, 48.0737, 58.7973 by changing the saturation by 10% instead.




 62.7093, 48.0737,  
58.7973

 62.7093, 48.0737,  
58.7973


424.1902,  
379.0842, 437.8313

 45.8638, 33.8853,  
42.0310


 107.8342, 87.3141,  
104.6092

 32.3426, 22.8055,  
28.7998


 136.8443,  
113.1349, 134.4920

 21.7801, 14.4499,  
18.6852


170.6400,  
143.6019, 169.5839

 13.8111, 8.4343,  
11.2685

209.5867,  
179.0995, 210.3037

 8.0702, 4.3741,  
6.1313

254.0497,  
220.0122, 257.0698

 4.1921, 1.8849,  
2.8550

304.3944,

 1.8114, 0.5393,

266.7242, 310.3007

1.0211

360.9861,  
319.6201, 370.4150

■ 0.5245, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.7093, 48.0737,  
58.7973

■ 62.7093, 48.0737,  
58.7973

■ 57.3903, 39.9681,  
49.2173

■ 69.0823, 58.0311,  
69.5183

■ 53.0599, 33.5912,  
40.7327

■ 76.5622, 69.9400,  
81.4177

■ 49.6505, 28.8154,  
33.2985

■ 85.2027, 83.9006,  
94.5342

■ 47.0842, 25.4923,  
26.8642

95.0500, 100.0000,  
108.9000

■ 45.2682, 23.4450,  
21.3735

■ 44.0544, 22.3859,  
16.7499

■ 44.0541, 22.3856,  
16.7488

# Harmonies

## Analogous

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



58.9261, 48.0737, 84.5541



62.7093, 48.0737, 58.7973



61.5304, 48.0737, 37.5393

# Triad

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



62.7093, 48.0737, 58.7973



40.1789, 48.0737, 21.1498



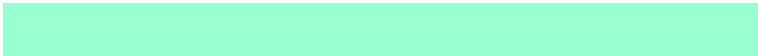
36.8322, 48.0737, 95.3297

# Complementary

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



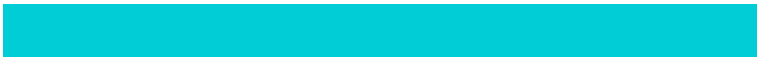
62.7093, 48.0737, 58.7973



60.6567, 82.9964, 74.4547

# 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.



32.8364, 48.0737, 70.6047



62.7093, 48.0737, 58.7973



34.6054, 48.0737, 29.5703

# Square

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



62.7093, 48.0737, 58.7973



47.8936, 48.0737, 19.6815



32.0717, 48.0737, 46.3812



43.5601, 48.0737, 109.3195



# Rectangle

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



62.7093, 48.0737, 58.7973



58.1443, 48.0737, 28.0512



32.0717, 48.0737, 46.3812



35.1590, 48.0737, 87.7066

# Sweetspot

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



62.7105, 48.0759, 58.7982



83.3771, 80.9361, 91.8083



56.2498, 43.8244, 100.1020



17.5968, 16.9196, 19.2759



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.



62.7105, 48.0759, 58.7982



58.3718, 41.4453, 51.0420



59.5275, 48.6346, 36.3898



18.3347, 18.1172, 20.3795



23.0907, 11.7256, 9.1279



2.3018, 1.1631, 1.1706



# Inverse Universe

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



62.7105, 48.0759, 58.7982



58.3718, 41.4453, 51.0420



64.8172, 81.2511, 106.8745



18.3347, 18.1172, 20.3795



23.0907, 11.7256, 9.1279



2.3018, 1.1631, 1.1706



# Previews

## White Background



This preview shows how the XYZ color 62.7093, 48.0737, 58.7973 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

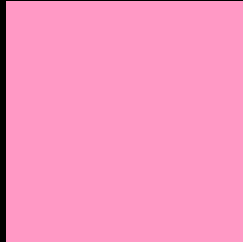
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7093, 48.0737, 58.7973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

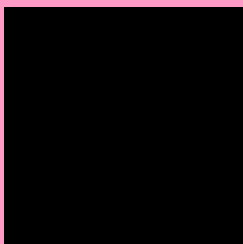
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.7093, 48.0737, 58.7973**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.7093, 48.0737, 58.7973.



This preview shows how white text looks on a background with the XYZ color 62.7093, 48.0737,

58.7973.

# 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

62.7093, 48.0737, 58.7973

### Protanopia

47.6883, 48.2898, 71.7732

### Deuteranopia

49.1877, 48.1881, 56.5779



## Tritanopia

59.6274, 48.0514, 44.1624

# Trichromacy



## Original Color

62.7093, 48.0737, 58.7973



## Protanomaly

51.7147, 47.2303, 66.7123



## Deuteranomaly

53.3257, 47.7046, 57.4363



## Tritanomaly

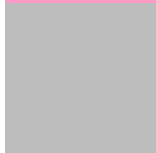
60.6347, 47.9549, 49.2404

# Monochromacy



## Original Color

62.7093, 48.0737, 58.7973



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

52.4803, 49.0026, 56.5616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7093, 48.0737, 58.7973 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7093, 48.0737, 58.7973 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, 197) }
```



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

```
.border{ border-color:rgb(255, 153, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7093, 48.0737, 58.7973 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, 197) }
```

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

```
.background{ background-color: rgb(255,  
153, 197) }
```

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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