

# Converting Colors

XYZ(84.8830, 59.2405, 61.2098)

Have a look what the booklet for  
XYZ(84.8830, 59.2405, 61.2098)  
contains.

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# Color

**XYZ(62.7770, 47.8400,  
59.9582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF98C7
RGB	255, 152, 199
RGB Percent	100%, 60%, 78%
CMY	0.0000, 0.4039, 0.2196
CMYK	0.00, 0.40, 0.22, 0.00
HSL	333°, 100%, 80%
HSV	333°, 40%, 100%
XYZ	62.7770, 47.8400, 59.9582
YIQ	188.1550, 46.3010, 36.4530

# Conversions

## Conversions Part 2

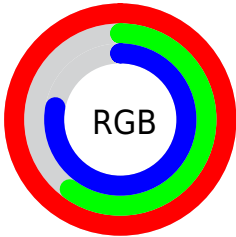
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 152, 199
Decimal	16750791
CIE <sub>Lab</sub>	74.72, 44.38, -7.51
CIE <sub>LCh</sub>	75, 45.015, 350.396
Yxy	47.8400, 0.3680, 0.2805
Android (android.graphics.Color)	4294940871 (0xFFFF98C7)
YUV	188.1550, 5.3466, 58.6231
Hunter-Lab	69.1665, 40.9692, -2.9801

# Details

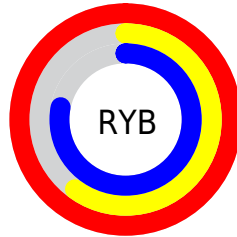
The XYZ color **62.7770, 47.8400, 59.9582** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.0960, 82.7504, 72.4832**, and the grayscale version is **47.8414, 50.3329, 54.8125**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **32.3376, 22.7038, 29.4659** is the 20% darker color. If you saturate the color by 10%, you get **57.5372, 39.8202, 50.6279**, and if you desaturate by 10%, it is **69.0556, 57.7021, 70.3595**.

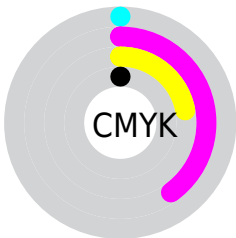
# Distribution



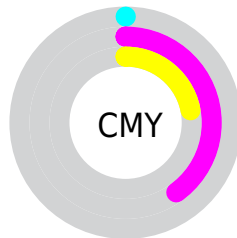
- Red (100%)
- Green (60%)
- Blue (78%)



- Red (100%)
- Yellow (60%)
- Blue (78%)



- Cyan (0%)
- Magenta (40%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7770, 47.8400, 59.9582 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 62.7770, 47.8400, 59.9582 by changing the saturation by 10% instead.





 62.7770, 47.8400,  
59.9582


 62.7770, 47.8400,  
59.9582


424.4323,  
378.1576, 442.2440

 45.9188, 33.7002,  
42.9599


 107.9313, 86.9661,  
106.3118

 32.3861, 22.6634,  
29.5225

 136.9582,  
112.7213, 136.5042

 21.8136, 14.3451,  
19.2274


170.7720,  
143.1169, 171.9316

 13.8358, 8.3611,  
11.6563

209.7380,  
178.5376, 213.0127

 8.0875, 4.3269,  
6.3904

254.2218,  
219.3676, 260.1659

 4.2033, 1.8580,  
3.0113

304.5885,

 1.8178, 0.5230,

265.9913, 313.8099

1.1004

361.2035,  
318.7932, 374.3631

■ 0.5283, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.7770, 47.8400,  
59.9582

■ 62.7770, 47.8400,  
59.9582

■ 57.5372, 39.8202,  
50.6279

■ 69.0556, 57.7021,  
70.3595

■ 53.2709, 33.5193,  
42.3261

■ 76.4255, 69.5062,  
81.8661

■ 49.9112, 28.8094,  
35.0109

■ 84.9398, 83.3527,  
94.5143

■ 47.3800, 25.5414,  
28.6352

■ 94.6471, 99.3331,  
108.3373

■ 45.5848, 23.5374,  
23.1463

95.0500, 100.0000,  
108.9000

■ 44.4129, 22.5292,  
18.6385

# Harmonies

## Analogous

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



58.6739, 47.8400, 86.3387



62.7770, 47.8400, 59.9582



61.8339, 47.8400, 37.9358

# Triad

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



62.7770, 47.8400, 59.9582



40.2145, 47.8400, 20.2854



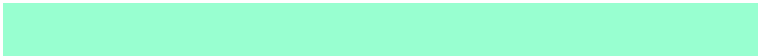
36.1770, 47.8400, 94.9898

# Complementary

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



62.7770, 47.8400, 59.9582



60.0960, 82.7504, 72.4832

# 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.



32.2831, 47.8400, 69.3874



62.7770, 47.8400, 59.9582



34.4132, 47.8400, 28.3592

# Square

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



62.7770, 47.8400, 59.9582



48.1408, 47.8400, 19.1401



31.6786, 47.8400, 44.9415



42.9008, 47.8400, 110.2030



# Rectangle

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



62.7770, 47.8400, 59.9582



58.5084, 47.8400, 28.0425



31.6786, 47.8400, 44.9415



34.5293, 47.8400, 87.0081

# Sweetspot

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



62.7782, 47.8422, 59.9591



83.4892, 80.9809, 92.3988



54.9937, 42.9349, 99.9965



17.6231, 16.9301, 19.4146



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.



62.7782, 47.8422, 59.9591



58.6985, 41.5760, 52.7625



58.7027, 47.1166, 35.7091



18.3540, 18.1249, 20.4816



23.2799, 11.8013, 10.1245



2.3210, 1.1708, 1.2718



# Inverse Universe

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



62.7782, 47.8422, 59.9591



58.6985, 41.5760, 52.7625



65.6747, 83.2451, 107.2142



18.3540, 18.1249, 20.4816



23.2799, 11.8013, 10.1245



2.3210, 1.1708, 1.2718



# Previews

## White Background



This preview shows how the XYZ color 62.7770, 47.8400, 59.9582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

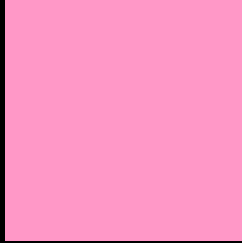
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7770, 47.8400, 59.9582 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 62.7770, 47.8400, 59.9582**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.7770, 47.8400, 59.9582.



This preview shows how white text looks on a background with the XYZ color 62.7770, 47.8400,



# 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

62.7770, 47.8400, 59.9582

### Protanopia

47.8511, 48.3286, 73.8242

### Deuteranopia

49.1464, 48.1410, 57.7408



## Tritanopia

59.3633, 47.6740, 43.6093

# Trichromacy



## Original Color

62.7770, 47.8400, 59.9582



## Protanomaly

51.8130, 47.2376, 68.6743



## Deuteranomaly

53.3652, 47.4215, 58.5652



## Tritanomaly

60.4676, 47.6206, 49.1847

# Monochromacy



## Original Color

62.7770, 47.8400, 59.9582



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.9958, 48.4628, 56.4829

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7770, 47.8400, 59.9582 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, 152, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 199)  
}
```

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, 152, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7770, 47.8400, 59.9582 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, 152, 199) }
```



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

```
.border{ border-color:rgb(255, 152, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7770, 47.8400, 59.9582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 199) }
```

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

```
.background{ background-color: rgb(255,  
152, 199) }
```

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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