

# Converting Colors

XYZ(62.5768, 48.0207, 58.0999)

Have a look what the booklet for  
XYZ(62.5768, 48.0207, 58.0999)  
contains.

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# Color

**XYZ(62.5950, 48.0280,  
58.1958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99C4
RGB	255, 153, 196
RGB Percent	100%, 60%, 77%
CMY	0.0000, 0.4000, 0.2314
CMYK	0.00, 0.40, 0.23, 0.00
HSL	335°, 100%, 80%
HSV	335°, 40%, 100%
XYZ	62.5950, 48.0280, 58.1958
YIQ	188.4000, 46.9890, 34.9970

# Conversions

## Conversions Part 2

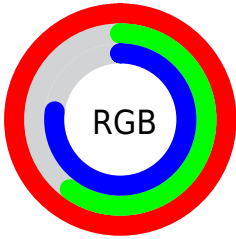
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 196
Decimal	16751044
CIE <sub>Lab</sub>	74.84, 43.45, -5.68
CIE <sub>LCh</sub>	75, 43.822, 352.549
Yxy	48.0280, 0.3708, 0.2845
Android (android.graphics.Color)	4294941124 (0xFFFF99C4)
YUV	188.4000, 3.7468, 58.4082
Hunter-Lab	69.3022, 39.9454, -1.2766

# Details

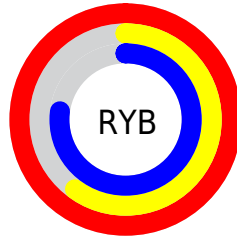
The XYZ color **62.5950, 48.0280, 58.1958** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.7825, 83.0467, 75.1172**, and the grayscale version is **47.9893, 50.4885, 54.9819**.

A 20% lighter version of the original color is **81.7701, 73.9528, 102.8931**, and **32.2046, 22.8031, 28.2953** is the 20% darker color. If you saturate the color by 10%, you get **57.2612, 39.9164, 48.5375**, and if you desaturate by 10%, it is **68.9882, 57.9935, 69.0228**.

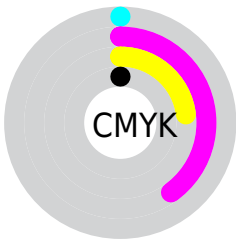
# Distribution



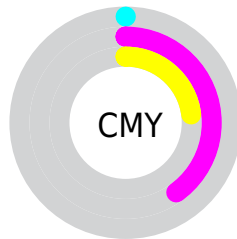
- Red (100%)
- Green (60%)
- Blue (77%)



- 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 62.5950, 48.0280, 58.1958 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 62.5950, 48.0280, 58.1958 by changing the saturation by 10% instead.





 62.5950, 48.0280,  
58.1958


 62.5950, 48.0280,  
58.1958


423.7812,  
378.9031, 435.5337

 45.7711, 33.8491,  
41.5503


 107.6701, 87.2461,  
103.7255

 32.2691, 22.7777,  
28.4264


 136.6520,  
113.0540, 133.4469

 21.7236, 14.4294,  
18.4055


170.4172,  
143.5071, 168.3639

 13.7694, 8.4199,  
11.0691

209.3312,  
178.9897, 208.8952

 8.0411, 4.3648,  
5.9986

253.7592,  
219.8862, 255.4593

 4.1733, 1.8797,  
2.7754

304.0666,

 1.8006, 0.5361,

266.5810, 308.4747

0.9811

360.6189,  
319.4585, 368.3600

■ 0.5181, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.5950, 48.0280,  
58.1958

■ 62.5950, 48.0280,  
58.1958

■ 57.2612, 39.9164,  
48.5375

■ 68.9882, 57.9935,  
69.0228

■ 52.9209, 33.5356,  
40.0009

■ 76.4937, 69.9126,  
81.0569

■ 49.5064, 28.7578,  
32.5396

■ 85.1656, 83.8858,  
94.3383

■ 46.9393, 25.4343,  
26.1016

95.0500, 100.0000,  
108.9000

■ 45.1268, 23.3884,  
20.6288

■ 43.9201, 22.3322,  
16.0430

■ 43.9199, 22.3319,  
16.0419

# Harmonies

## Analogous

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



58.9294, 48.0280, 83.7844



62.5950, 48.0280, 58.1958



61.3175, 48.0280, 37.2038

# Triad

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



62.5950, 48.0280, 58.1958



40.0206, 48.0280, 21.3288



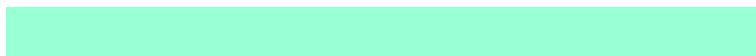
36.9492, 48.0280, 95.4531

# Complementary

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



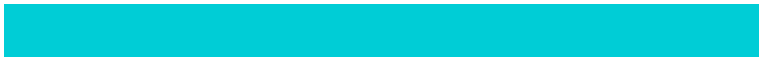
62.5950, 48.0280, 58.1958



60.7825, 83.0467, 75.1172

# 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.



32.9070, 48.0280, 70.9966



62.5950, 48.0280, 58.1958



34.5310, 48.0280, 29.8866

# Square

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



62.5950, 48.0280, 58.1958



47.6658, 48.0280, 19.7290



32.0762, 48.0280, 46.8059



43.6903, 48.0280, 109.0085



# Rectangle

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



62.5950, 48.0280, 58.1958



57.8968, 48.0280, 27.8742



32.0762, 48.0280, 46.8059



35.2634, 48.0280, 87.9458

# Sweetspot

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



62.5963, 48.0302, 58.1967



83.3331, 80.9185, 91.5768



56.2499, 43.8245, 100.1020



17.5865, 16.9155, 19.2216



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.



62.5963, 48.0302, 58.1967



58.2452, 41.3947, 50.3756



59.5276, 48.6346, 36.3899



18.3271, 18.1141, 20.3394



23.0198, 11.6972, 8.7545



2.2945, 1.1602, 1.1322



# Inverse Universe

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



62.5963, 48.0302, 58.1967



58.2452, 41.3947, 50.3756



64.8172, 81.2511, 106.8745



18.3271, 18.1141, 20.3394



23.0198, 11.6972, 8.7545

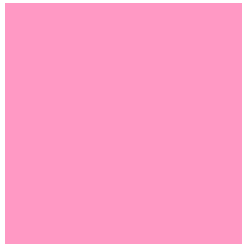


2.2945, 1.1602, 1.1322



# Previews

## White Background



This preview shows how the XYZ color 62.5950, 48.0280, 58.1958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

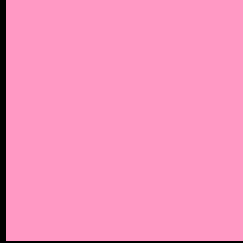
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.5950, 48.0280, 58.1958 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 62.5950, 48.0280, 58.1958

## Background



This preview shows how black text looks on a background with the XYZ color 62.5950, 48.0280, 58.1958.



This preview shows how white text looks on a background with the XYZ color 62.5950, 48.0280,



# 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

62.5950, 48.0280, 58.1958

### Protanopia

47.7896, 48.3570, 71.1050

### Deuteranopia

49.0773, 48.1439, 55.9963



## Tritanopia

59.6274, 48.0514, 44.1624

# Trichromacy



## Original Color

62.5950, 48.0280, 58.1958



## Protanomaly

51.8698, 47.3245, 66.0752



## Deuteranomaly

53.2138, 47.6598, 56.8467



## Tritanomaly

60.5332, 47.9143, 48.7058

# Monochromacy



## Original Color

62.5950, 48.0280, 58.1958



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.8853, 48.4186, 55.9013

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5950, 48.0280, 58.1958 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5950, 48.0280, 58.1958 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, 196) }
```



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

```
.border{ border-color:rgb(255, 153, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5950, 48.0280, 58.1958 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, 196) }
```

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

```
.background{ background-color: rgb(255,  
153, 196) }
```

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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