

# Converting Colors

XYZ(61.4036, 47.5514, 51.9215)

Have a look what the booklet for  
XYZ(61.4036, 47.5514, 51.9215)  
contains.

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# Color

**XYZ(61.3882, 47.5452,  
51.8406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99B9
RGB	255, 153, 185
RGB Percent	100%, 60%, 73%
CMY	0.0000, 0.4000, 0.2745
CMYK	0.00, 0.40, 0.27, 0.00
HSL	341°, 100%, 80%
HSV	341°, 40%, 100%
XYZ	61.3882, 47.5452, 51.8406
YIQ	187.1460, 50.5200, 31.5760

# Conversions

## Conversions Part 2

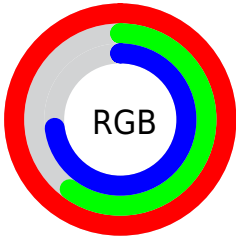
Format	Color
R <sub>Y</sub> B	255, 153, 185
Decimal	16751033
CIE Lab	74.54, 41.95, -0.07
CIE LCh	75, 41.954, 359.901
Yxy	47.5452, 0.3818, 0.2957
Android (android.graphics.Color)	4294941113 (0xFFFF99B9)
YUV	187.1460, -1.0580, 59.5080
Hunter-Lab	68.9530, 38.2490, 3.6914

# Details

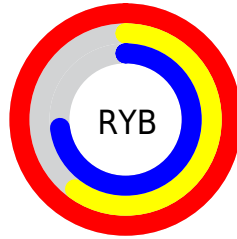
The XYZ color **61.3882, 47.5452, 51.8406** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.2181, 83.6209, 82.6771**, and the grayscale version is **47.3034, 49.7669, 54.1961**.

A 20% lighter version of the original color is **79.9176, 73.2118, 93.1383**, and **31.4870, 22.5160, 24.5163** is the 20% darker color. If you saturate the color by 10%, you get **55.9164, 39.3785, 41.4558**, and if you desaturate by 10%, it is **67.9816, 57.5908, 63.7223**.

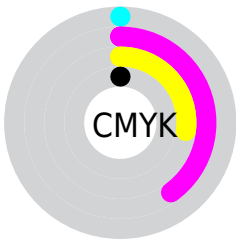
# Distribution



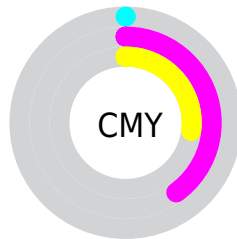
- Red (100%)
- Green (60%)
- Blue (73%)



- Red (100%)
- Yellow (60%)
- Blue (73%)



- Cyan (0%)
- Magenta (40%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.3882, 47.5452, 51.8406 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 61.3882, 47.5452, 51.8406 by changing the saturation by 10% instead.





 61.3882, 47.5452,  
51.8406


 61.3882, 47.5452,  
51.8406


419.4491,  
376.9866, 410.7604

 44.7923, 33.4669,  
36.4967


 105.9358, 86.5269,  
94.3203

 31.4944, 22.4843,  
24.5253


 134.6181,  
112.1990, 122.2932

 21.1293, 14.2132,  
15.5080

168.0599,  
142.5045, 155.3127

 13.3315, 8.2691,  
9.0261

206.6266,  
177.8278, 193.7976

 7.7358, 4.2676,  
4.6612

250.6835,  
218.5532, 238.1662

 3.9767, 1.8244,  
1.9946

300.5960,

 1.6890, 0.5023,

265.0652, 288.8372

0.5520

356.7294,  
317.7482, 346.2291

■ 0.4494, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.3882, 47.5452,  
51.8406

■ 61.3882, 47.5452,  
51.8406

■ 55.9164, 39.3785,  
41.4558

■ 67.9816, 57.5908,  
63.7223

■ 51.4970, 32.9660,  
32.5028

■ 75.7530, 69.6163,  
77.1567

■ 48.0585, 28.1786,  
24.9151

■ 84.7594, 83.7232,  
92.2000

■ 45.5185, 24.8660,  
18.6195

95.0500, 100.0000,  
108.9000

■ 43.7795, 22.8495,  
13.5341

■ 42.6879, 21.8393,  
9.5541

■ 42.6877, 21.8391,  
9.5532

# Harmonies

## Analogous

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



59.0091, 47.5452, 75.6498



61.3882, 47.5452, 51.8406



59.0391, 47.5452, 33.6237

# Triad

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



61.3882, 47.5452, 51.8406



38.3070, 47.5452, 23.3597



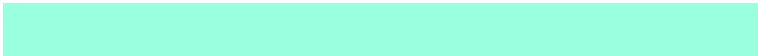
38.2681, 47.5452, 96.9299

# Complementary

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



61.3882, 47.5452, 51.8406



62.2181, 83.6209, 82.6771

# 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.



33.6965, 47.5452, 75.4895



61.3882, 47.5452, 51.8406



33.7171, 47.5452, 33.5304

# Square

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



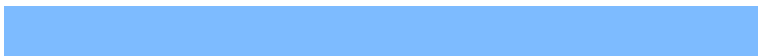
61.3882, 47.5452, 51.8406



45.2154, 47.5452, 20.2410



32.1262, 47.5452, 51.6967



45.1652, 47.5452, 105.7338



# Rectangle

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



61.3882, 47.5452, 51.8406



55.2431, 47.5452, 25.9537



32.1262, 47.5452, 51.6967



36.4376, 47.5452, 90.7124

# Sweetspot

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



61.3894, 47.5474, 51.8415



82.8544, 80.7270, 89.0561



59.7820, 45.6453, 100.2673



17.4742, 16.8705, 18.6304



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.



61.3894, 47.5474, 51.8415



56.9232, 40.8659, 43.4138



61.6868, 52.9531, 37.1095



18.2441, 18.0809, 19.9024



22.3642, 11.4350, 5.3025



2.2244, 1.1321, 0.7630



# Inverse Universe

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



61.3894, 47.5474, 51.8415



56.9232, 40.8659, 43.4138



61.2703, 74.1574, 105.6923



18.2441, 18.0809, 19.9024



22.3642, 11.4350, 5.3025



2.2244, 1.1321, 0.7630



# Previews

## White Background



This preview shows how the XYZ color 61.3882, 47.5452, 51.8406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

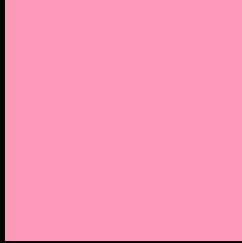
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.3882, 47.5452, 51.8406 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 61.3882, 47.5452, 51.8406**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.3882, 47.5452, 51.8406.



This preview shows how white text looks on a background with the XYZ color 61.3882, 47.5452,



# 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

61.3882, 47.5452, 51.8406

### Protanopia

47.0044, 48.1239, 63.3113

### Deuteranopia

48.8895, 47.8735, 50.3798



## Tritanopia

59.4644, 47.4867, 43.0775

# Trichromacy



## Original Color

61.3882, 47.5452, 51.8406



## Protanomaly

51.0108, 47.0459, 58.6168



## Deuteranomaly

52.7557, 47.2829, 50.6020



## Tritanomaly

60.2344, 47.5695, 46.0515

# Monochromacy



## Original Color

61.3882, 47.5452, 51.8406



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

51.3443, 48.2022, 53.0522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.3882, 47.5452, 51.8406 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 61.3882, 47.5452, 51.8406 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, 185) }
```



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

```
.border{ border-color:rgb(255, 153, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.3882, 47.5452, 51.8406 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, 185) }
```

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

```
.background{ background-color: rgb(255,  
153, 185) }
```

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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