

# Converting Colors

XYZ(61.4481, 47.5692, 52.1561)

Have a look what the booklet for  
XYZ(61.4481, 47.5692, 52.1561)  
contains.

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# Color

**XYZ(61.4942, 47.5876,  
52.3986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF99BA
RGB	255, 153, 186
RGB Percent	100%, 60%, 73%
CMY	0.0000, 0.4000, 0.2706
CMYK	0.00, 0.40, 0.27, 0.00
HSL	341°, 100%, 80%
HSV	341°, 40%, 100%
XYZ	61.4942, 47.5876, 52.3986
YIQ	187.2600, 50.1990, 31.8870

# Conversions

## Conversions Part 2

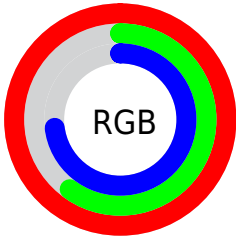
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 153, 186
Decimal	16751034
CIE <sub>Lab</sub>	74.56, 42.09, -0.58
CIE <sub>LCh</sub>	75, 42.091, 359.205
Yxy	47.5876, 0.3808, 0.2947
Android (android.graphics.Color)	4294941114 (0xFFFF99BA)
YUV	187.2600, -0.6212, 59.4080
Hunter-Lab	68.9838, 38.3987, 3.2532

# Details

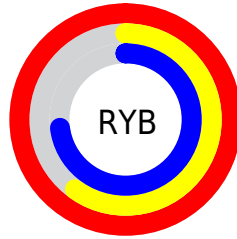
The XYZ color **61.4942, 47.5876, 52.3986** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.0836, 83.5672, 81.9690**, and the grayscale version is **47.3655, 49.8322, 54.2673**.

A 20% lighter version of the original color is **80.0675, 73.2717, 93.9272**, and **31.5558, 22.5436, 24.8785** is the 20% darker color. If you saturate the color by 10%, you get **56.0329, 39.4251, 42.0698**, and if you desaturate by 10%, it is **68.0709, 57.6265, 64.1927**.

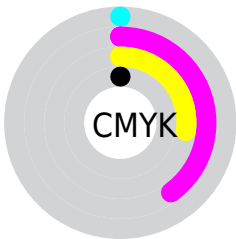
# Distribution



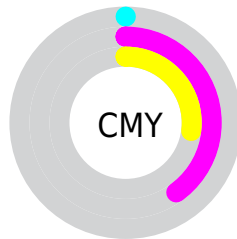
- Red (100%)
- Green (60%)
- Blue (73%)



- 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 61.4942, 47.5876, 52.3986 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 61.4942, 47.5876, 52.3986 by changing the saturation by 10% instead.





 61.4942, 47.5876,  
52.3986


 61.4942, 47.5876,  
52.3986


419.8307,  
377.1551, 412.9742

 44.8782, 33.5004,  
36.9385


 106.0882, 86.5901,  
95.1514

 31.5624, 22.5101,  
24.8644


 134.7970,  
112.2741, 123.2811

 21.1814, 14.2322,  
15.7580


168.2673,  
142.5926, 156.4711

 13.3699, 8.2823,  
9.2006

206.8646,  
177.9299, 195.1399

 7.7625, 4.2761,  
4.7736

250.9543,  
218.6704, 239.7061

 3.9939, 1.8292,  
2.0587

300.9016,

 1.6987, 0.5053,

265.1985, 290.5882

0.5910

357.0720,  
317.8986, 348.2047

■ 0.4554, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.4942, 47.5876,  
52.3986

■ 61.4942, 47.5876,  
52.3986

■ 56.0329, 39.4251,  
42.0698

■ 68.0709, 57.6265,  
64.1927

■ 51.6186, 33.0146,  
33.1431

■ 75.8194, 69.6428,  
77.5060

■ 48.1799, 28.2271,  
25.5542

■ 84.7961, 83.7379,  
92.3930

■ 45.6349, 24.9125,  
19.2323

95.0500, 100.0000,  
108.9000

■ 43.8866, 22.8923,  
14.0980

■ 42.7820, 21.8769,  
10.0498

■ 42.7818, 21.8767,  
10.0489

# Harmonies

## Analogous

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



58.9987, 47.5876, 76.3645



61.4942, 47.5876, 52.3986



59.2415, 47.5876, 33.9407

# Triad

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



61.4942, 47.5876, 52.3986



38.4606, 47.5876, 23.1703



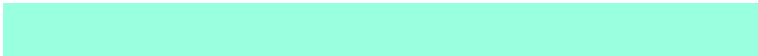
38.1458, 47.5876, 96.7868

# Complementary

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



61.4942, 47.5876, 52.3986



62.0836, 83.5672, 81.9690

# 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.



33.6237, 47.5876, 75.0673



61.4942, 47.5876, 52.3986



33.7906, 47.5876, 33.1865

# Square

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



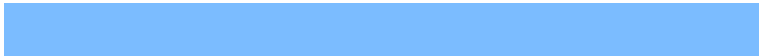
61.4942, 47.5876, 52.3986



45.4340, 47.5876, 20.1951



32.1216, 47.5876, 51.2354



45.0278, 47.5876, 106.0208



# Rectangle

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



61.4942, 47.5876, 52.3986



55.4792, 47.5876, 26.1260



32.1216, 47.5876, 51.2354



36.3289, 47.5876, 90.4508

# Sweetspot

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



61.4953, 47.5898, 52.3995



82.8976, 80.7443, 89.2833



59.2617, 45.3771, 100.2430



17.4843, 16.8746, 18.6836



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.



61.4953, 47.5898, 52.3995



57.0381, 40.9118, 44.0190



61.3660, 52.3116, 37.0026



18.2516, 18.0839, 19.9419



22.4147, 11.4552, 5.5682



2.2300, 1.1344, 0.7927



# Inverse Universe

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



61.4953, 47.5898, 52.3995



57.0381, 40.9118, 44.0190



61.7629, 75.1426, 105.8565



18.2516, 18.0839, 19.9419



22.4147, 11.4552, 5.5682

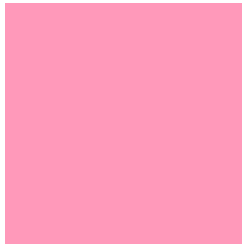


2.2300, 1.1344, 0.7927



# Previews

## White Background



This preview shows how the XYZ color 61.4942, 47.5876, 52.3986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

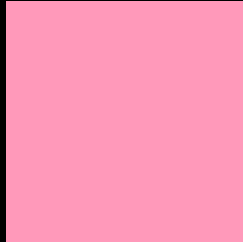
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4942, 47.5876, 52.3986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

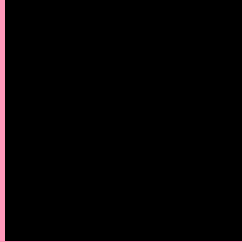
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.4942, 47.5876, 52.3986**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.4942, 47.5876, 52.3986.



This preview shows how white text looks on a background with the XYZ color 61.4942, 47.5876,

52.3986.

# 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

61.4942, 47.5876, 52.3986

### Protanopia

46.8886, 48.0504, 63.9301

### Deuteranopia

48.7210, 47.7747, 50.9095



## Tritanopia

59.4644, 47.4867, 43.0775

# Trichromacy



## Original Color

61.4942, 47.5876, 52.3986



## Protanomaly

50.8430, 46.9462, 59.2051



## Deuteranomaly

52.5540, 47.1670, 51.1340



## Tritanomaly

60.3323, 47.6087, 46.5670

# Monochromacy



## Original Color

61.4942, 47.5876, 52.3986



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

51.4510, 48.2448, 53.6141

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4942, 47.5876, 52.3986 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4942, 47.5876, 52.3986 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, 186) }
```



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

```
.border{ border-color:rgb(255, 153, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4942, 47.5876, 52.3986 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, 186) }
```

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

```
.background{ background-color: rgb(255,  
153, 186) }
```

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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