

# Converting Colors

XYZ(42.7490, 37.6065, 49.4831)

Have a look what the booklet for  
XYZ(42.7490, 37.6065, 49.4831)  
contains.

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# Color

**XYZ(42.6977, 37.7042,  
49.2832)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C598B6
RGB	197, 152, 182
RGB Percent	77%, 60%, 71%
CMY	0.2274, 0.4039, 0.2863
CMYK	0.00, 0.23, 0.08, 0.23
HSL	320°, 28%, 68%
HSV	320°, 23%, 77%
XYZ	42.6977, 37.7042, 49.2832
YIQ	168.8750, 17.1900, 18.8700

# Conversions

## Conversions Part 2

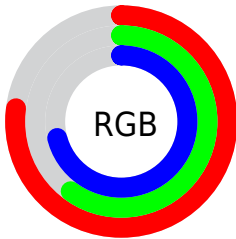
Format	Color
<a href="#">RYB</a>	<a href="#">197, 152, 182</a>
Decimal	<a href="#">12949686</a>
CIELab	<a href="#">67.80, 21.72, -9.07</a>
CIElCh	<a href="#">68, 23.539, 337.328</a>
Yxy	<a href="#">37.7042, 0.3292, 0.2907</a>
Android (android.graphics.Color)	<a href="#">4291139766</a> ( <a href="#">0xFFC598B6</a> )
YUV	<a href="#">168.8750, 6.4706, 24.6656</a>
Hunter-Lab	<a href="#">61.4037, 16.6652, -4.6041</a>

# Details

The XYZ color **42.6977, 37.7042, 49.2832** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.8917, 49.3990, 43.9939**, and the grayscale version is **37.6143, 39.5732, 43.0952**.

A 20% lighter version of the original color is **78.6185, 71.8695, 90.6175**, and **19.9438, 16.7320, 22.9473** is the 20% darker color. If you saturate the color by 10%, you get **39.0994, 31.5679, 44.8136**, and if you desaturate by 10%, it is **46.8611, 44.9186, 54.0991**.

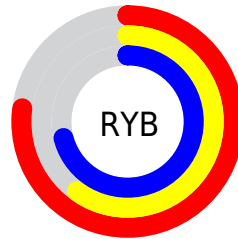
# Distribution



Red (77%)

Green (60%)

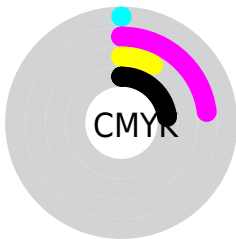
Blue (71%)



Red (77%)

Yellow (60%)

Blue (71%)

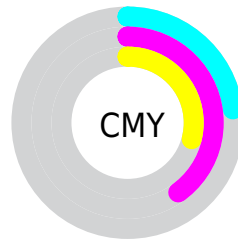


Cyan (0%)

Magenta (23%)

Yellow (8%)

Black (23%)



Cyan (23%)

Magenta (40%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6977, 37.7042, 49.2832 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 42.6977, 37.7042, 49.2832 by changing the saturation by 10% instead.



42.6977, 37.7042,  
49.2832

42.6977, 37.7042,  
49.2832

348.3097,  
336.3494, 400.5106

29.8415, 25.7532,  
34.4770

78.5130, 71.6545,  
90.4973

19.8658, 16.6391,  
22.9800

102.2029, 94.4226,  
117.7422

12.4052, 9.9775,  
14.3735

130.2346,  
121.5652, 149.9705

7.0944, 5.3840,  
8.2392

162.9737,  
153.4667, 187.6006

3.5681, 2.4743,  
4.1584

200.7853,  
190.5115, 231.0511

1.4608, 0.8637,  
1.7127

244.0350,

0.2989, 0.0000,

233.0839, 280.7406

0.3694

293.0880,  
281.5684, 337.0876

■ 0.0000, 0.0000,  
0.0000

■ 42.6977, 37.7042,  
49.2832

■ 42.6977, 37.7042,  
49.2832

■ 39.0994, 31.5679,  
44.8136

■ 46.8611, 44.9186,  
54.0991

■ 36.0362, 26.4522,  
40.6769

■ 51.6111, 53.2552,  
59.2692

■ 33.4804, 22.3017,  
36.8621

■ 56.9721, 62.7614,  
64.8041

■ 31.4003, 19.0537,  
33.3564

■ 62.9660, 73.4806,  
70.7133

■ 29.7604, 16.6381,  
30.1457

■ 69.6138, 85.4540,  
77.0056

■ 28.5201, 14.9743,  
27.2142

■ 71.8913, 88.6325,  
82.0082

■ 27.6307, 13.9658,  
24.5432

■ 72.7859, 88.9903,  
86.7188

■ 27.1453, 13.5181,  
22.7682

■ 73.7151, 89.3620,  
91.6118

■ 74.6793, 89.7477,  
96.6892

# Harmonies

## Analogous

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



40.2550, 37.7042, 59.1642



42.6977, 37.7042, 49.2832



43.2441, 37.7042, 38.5471

# Triad

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



42.6977, 37.7042, 49.2832



34.9505, 37.7042, 24.1954



30.5495, 37.7042, 54.4614

# Complementary

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



42.6977, 37.7042, 49.2832



39.8917, 49.3990, 43.9939

# 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.



29.3275, 37.7042, 43.6662



42.6977, 37.7042, 49.2832



31.7542, 37.7042, 27.0764

# Square

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



42.6977, 37.7042, 49.2832



38.6056, 37.7042, 25.1832



29.7531, 37.7042, 33.7950



33.2035, 37.7042, 62.4898



# Rectangle

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



42.6977, 37.7042, 49.2832



42.4280, 37.7042, 32.5140



29.7531, 37.7042, 33.7950



29.9661, 37.7042, 50.9707

# Sweetspot

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



42.6988, 37.7059, 49.2840



88.6742, 88.7579, 102.1214



37.2442, 34.7051, 57.5597



18.8678, 18.8009, 21.7364



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.



42.6988, 37.7059, 49.2840



73.4029, 62.2700, 84.5303



40.5571, 36.8492, 38.0057



10.9270, 10.7542, 12.5987



17.8946, 8.9074, 15.1865



0.8799, 0.4348, 0.8908



# Inverse Universe

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



42.6988, 37.7059, 49.2840



73.4029, 62.2700, 84.5303



42.1561, 50.3048, 55.9180



10.9270, 10.7542, 12.5987



17.8946, 8.9074, 15.1865

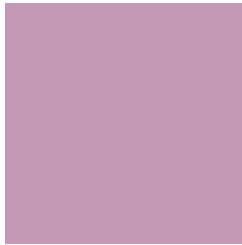


0.8799, 0.4348, 0.8908



# Previews

## White Background



This preview shows how the XYZ color 42.6977, 37.7042, 49.2832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

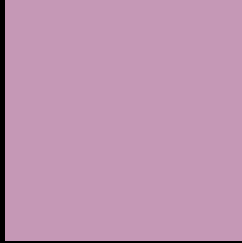
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6977, 37.7042, 49.2832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

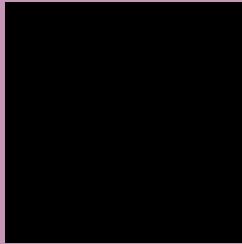
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.6977, 37.7042, 49.2832**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6977, 37.7042, 49.2832.



This preview shows how white text looks on a background with the XYZ color 42.6977, 37.7042,



# 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

42.6977, 37.7042, 49.2832

### Protanopia

37.2677, 37.8457, 54.0559

### Deuteranopia

38.6623, 37.8990, 48.4575



## Tritanopia

41.2021, 37.8348, 41.6905

# Trichromacy



## Original Color

42.6977, 37.7042, 49.2832

## Protanomaly

38.9960, 37.7281, 52.2407

## Deuteranomaly

40.0958, 37.8572, 48.9100

## Tritanomaly

41.7669, 37.8255, 44.1294

# Monochromacy



## Original Color

42.6977, 37.7042, 49.2832

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

39.3276, 38.8341, 45.4673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6977, 37.7042, 49.2832 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(197, 152, 182)` looks like.

```
.text, #text, p{  
    color:rgb(197, 152, 182)  
}
```

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(197, 152, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 152, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6977, 37.7042, 49.2832 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(197, 152, 182) }
```



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

```
.border{ border-color:rgb(197, 152, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 152, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 152, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 152, 182);  
box-shadow:4px 4px 4px 4px rgb(197, 152,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6977, 37.7042, 49.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 152, 182) }
```

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

```
.background{ background-color: rgb(197,  
152, 182) }
```

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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