

# Converting Colors

XYZ(41.4039, 37.2848, 49.3506)

Have a look what the booklet for  
XYZ(41.4039, 37.2848, 49.3506)  
contains.

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# Color

**XYZ(41.3206, 37.2362,  
49.2654)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF99B6
RGB	191, 153, 182
RGB Percent	75%, 60%, 71%
CMY	0.2510, 0.4000, 0.2863
CMYK	0.00, 0.20, 0.05, 0.25
HSL	314°, 23%, 67%
HSV	314°, 20%, 75%
XYZ	41.3206, 37.2362, 49.2654
YIQ	167.6680, 13.3390, 17.0750

# Conversions

## Conversions Part 2

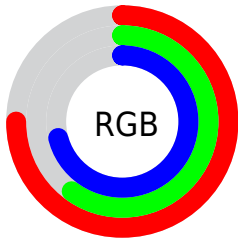
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 153, 182
Decimal	12556726
CIE <sub>Lab</sub>	67.45, 19.06, -9.65
CIE <sub>LCh</sub>	67, 21.364, 333.133
Yxy	37.2362, 0.3233, 0.2913
Android (android.graphics.Color)	4290746806 (0xFFBF99B6)
YUV	167.6680, 7.0657, 20.4622
Hunter-Lab	61.0215, 14.0834, -5.1525

# Details

The XYZ color **41.3206, 37.2362, 49.2654** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.2908, 46.6437, 41.1696**, and the grayscale version is **37.0196, 38.9475, 42.4138**.

A 20% lighter version of the original color is **76.6999, 71.2413, 90.5973**, and **19.0303, 16.4061, 22.9326** is the 20% darker color. If you saturate the color by 10%, you get **37.9815, 31.2936, 45.8829**, and if you desaturate by 10%, it is **45.1775, 44.1889, 52.8958**.

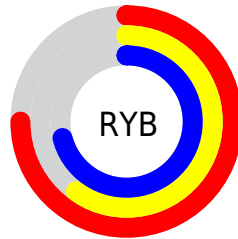
# Distribution



Red (75%)

Green (60%)

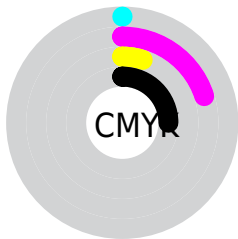
Blue (71%)



Red (75%)

Yellow (60%)

Blue (71%)

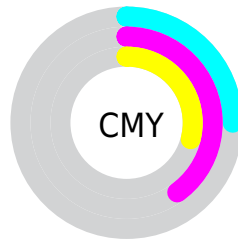


Cyan (0%)

Magenta (20%)

Yellow (5%)

Black (25%)



Cyan (25%)

Magenta (40%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3206, 37.2362, 49.2654 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 41.3206, 37.2362, 49.2654 by changing the saturation by 10% instead.





 41.3206, 37.2362,  
49.2654


 41.3206, 37.2362,  
49.2654

342.6985,  
334.3320, 400.4387

 28.7585, 25.3904,  
34.4630


 76.4420, 70.9359,  
90.4706

 19.0415, 16.3682,  
22.9693

 99.7319, 93.5586,  
117.7104

 11.8045, 9.7851,  
14.3657


127.3285,  
120.5425, 149.9331

 6.6819, 5.2567,  
8.2338

159.5971,  
152.2718, 187.5572

 3.3085, 2.3986,  
4.1550

196.9030,  
189.1310, 231.0013

 1.3190, 0.8252,  
1.7108

239.6117,

 0.1973, 0.0000,

231.5045, 280.6839

0.3681

288.0884,  
279.7767, 337.0235

■ 0.0000, 0.0000,  
0.0000

■ 41.3206, 37.2362,  
49.2654

■ 41.3206, 37.2362,  
49.2654

■ 37.9815, 31.2936,  
45.8829

■ 45.1775, 44.1889,  
52.8958

■ 35.1328, 26.3086,  
42.7374

■ 49.5710, 52.1912,  
56.7800

■ 32.7499, 22.2315,  
39.8203

■ 54.5234, 61.2864,  
60.9263

■ 30.8046, 19.0059,  
37.1214

■ 60.0544, 71.5141,  
65.3420

■ 29.2653, 16.5692,  
34.6296

■ 66.1829, 82.9118,  
70.0341

■ 28.0965, 14.8504,  
32.3323

■ 68.7729, 87.2072,  
73.6246

■ 27.2559, 13.7653,  
30.2146

■ 69.3417, 87.4348,  
76.6199

■ 26.6617, 13.1503,  
28.2485

■ 69.9266, 87.6687,  
79.6997

■ 26.6557, 13.1444,  
28.2280

■ 70.5276, 87.9091,  
82.8646

# Harmonies

## Analogous

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



38.9518, 37.2362, 57.6258



41.3206, 37.2362, 49.2654



42.0693, 37.2362, 39.5647

# Triad

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



41.3206, 37.2362, 49.2654



35.0483, 37.2362, 25.0522



30.3695, 37.2362, 51.2382

# Complementary

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



41.3206, 37.2362, 49.2654



38.2908, 46.6437, 41.1696

# 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.



29.4613, 37.2362, 41.5391



41.3206, 37.2362, 49.2654



32.0557, 37.2362, 27.2229

# Square

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



41.3206, 37.2362, 49.2654



38.3189, 37.2362, 26.4729



30.0593, 37.2362, 32.9177



32.6179, 37.2362, 58.8828



# Rectangle

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



41.3206, 37.2362, 49.2654



41.5134, 37.2362, 33.8544



30.0593, 37.2362, 32.9177



29.9038, 37.2362, 48.0612

# Sweetspot

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



41.3217, 37.2378, 49.2662



83.7855, 84.3597, 97.3234



35.6700, 34.2133, 54.0148



18.2866, 18.3210, 21.2714



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.3217, 37.2378, 49.2662



71.2108, 61.6980, 85.4627



39.5012, 36.5097, 39.6798



9.8307, 9.6566, 11.4974



17.5500, 8.6512, 18.7219



0.7113, 0.3484, 0.8590



# Inverse Universe

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



41.3217, 37.2378, 49.2662



71.2108, 61.6980, 85.4627



40.0958, 47.3657, 50.6747



9.8307, 9.6566, 11.4974



17.5500, 8.6512, 18.7219

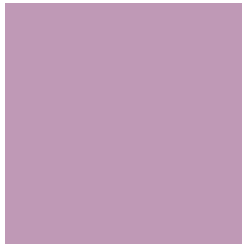


0.7113, 0.3484, 0.8590



# Previews

## White Background



This preview shows how the XYZ color 41.3206, 37.2362, 49.2654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

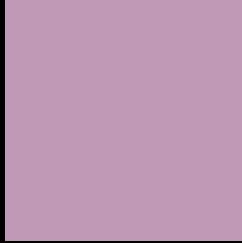
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3206, 37.2362, 49.2654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

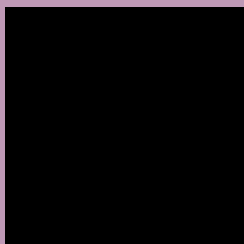
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.3206, 37.2362, 49.2654**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3206, 37.2362, 49.2654.



This preview shows how white text looks on a background with the XYZ color 41.3206, 37.2362,



# 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

41.3206, 37.2362, 49.2654

### Protanopia

36.7797, 37.3421, 53.4134

### Deuteranopia

38.1449, 37.3620, 48.9172



## Tritanopia

39.7755, 37.0887, 42.1082

# Trichromacy



## Original Color

41.3206, 37.2362, 49.2654

## Protanomaly

38.0556, 36.9994, 51.5902

## Deuteranomaly

39.2199, 37.1534, 48.8203

## Tritanomaly

40.3336, 37.0755, 44.5656

# Monochromacy



## Original Color

41.3206, 37.2362, 49.2654

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

38.5445, 38.4416, 44.9236

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3206, 37.2362, 49.2654 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(191, 153, 182)` looks like.

```
.text, #text, p{  
    color:rgb(191, 153, 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(191, 153, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 153, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3206, 37.2362, 49.2654 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(191, 153, 182) }
```



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

```
.border{ border-color:rgb(191, 153, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 153, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 153, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 153, 182);  
box-shadow:4px 4px 4px 4px rgb(191, 153,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3206, 37.2362, 49.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 153, 182) }
```

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

```
.background{ background-color: rgb(191,  
153, 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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