

Converting Colors

XYZ(49.7447, 47.4252, 62.7005)

Have a look what the booklet for
XYZ(49.7447, 47.4252, 62.7005)
contains.

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Color

**XYZ(49.7392, 47.4570,
62.4157)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B0CA
RGB	199, 176, 202
RGB Percent	78%, 69%, 79%
CMY	0.2196, 0.3098, 0.2078
CMYK	0.01, 0.13, 0.00, 0.21
HSL	293°, 20%, 74%
HSV	293°, 13%, 79%
XYZ	49.7392, 47.4570, 62.4157
YIQ	185.8410, 5.3620, 12.9620

Conversions

Conversions Part 2

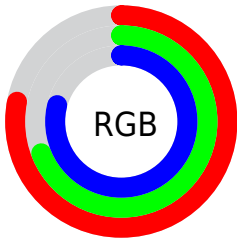
Format	Color
R_{YB}	199, 176, 202
Decimal	13086922
CIE _{Lab}	74.48, 12.92, -10.14
CIE _{LCh}	74, 16.422, 321.878
Yxy	47.4570, 0.3116, 0.2973
Android (android.graphics.Color)	4291277002 (0xFFC7B0CA)
YUV	185.8410, 7.9664, 11.5404
Hunter-Lab	68.8890, 8.3246, -5.4963

Details

The XYZ color **49.7392, 47.4570, 62.4157** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **47.5490, 54.9605, 49.1789**, and the grayscale version is **46.5390, 48.9627, 53.3204**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **24.1053, 22.3238, 31.0554** is the 20% darker color. If you saturate the color by 10%, you get **45.4563, 39.8015, 61.1645**, and if you desaturate by 10%, it is **54.6237, 56.3001, 63.8659**.

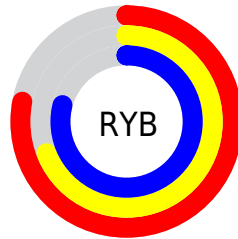
Distribution



Red (78%)

Green (69%)

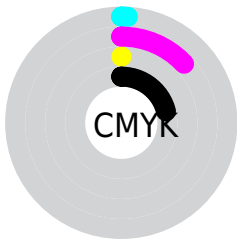
Blue (79%)



Red (78%)

Yellow (69%)

Blue (79%)

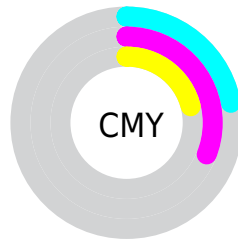


Cyan (1%)

Magenta (13%)

Yellow (0%)

Black (21%)



Cyan (22%)

Magenta (31%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7392, 47.4570, 62.4157 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 49.7392, 47.4570, 62.4157 by changing the saturation by 10% instead.

■ 49.7392, 47.4570,
62.4157

■ 49.7392, 47.4570,
62.4157

376.1140,
376.6357, 451.4953

■ 35.4232, 33.3971,
44.9307

■ 88.9825, 86.3954,
109.9035

■ 24.1571, 22.4308,
31.0603

114.6404,
112.0426, 140.7435

■ 15.5755, 14.1738,
20.3859

144.8097,
142.3211, 176.8721

■ 9.3132, 8.2416,
12.4890

179.8558,
177.6152, 218.7080

■ 5.0048, 4.2500,
6.9511

220.1439,
218.3093, 266.6698

■ 2.2849, 1.8143,
3.3535

266.0394,

■ 0.7869, 0.4961,

264.7879, 321.1759

1.2779

317.9076,
317.4352, 382.6448

■ 0.0000, 0.0000,
0.0435

■ 0.0000, 0.0000,
0.0000

■ 49.7392, 47.4570,
62.4157

■ 49.7392, 47.4570,
62.4157

■ 45.4563, 39.8015,
61.1645

■ 54.6237, 56.3001,
63.8659

■ 41.7448, 33.2757,
60.1005

■ 60.1301, 66.3735,
65.5200

■ 38.5783, 27.8258,
59.2155

■ 66.2826, 77.7250,
67.3868

■ 35.9264, 23.3913,
58.4993

■ 72.5246, 89.2413,
69.2807

■ 33.7558, 19.9057,
57.9409

■ 73.1861, 89.5824,
69.3116

■ 32.0294, 17.2945,
57.5279

■ 73.8574, 89.9284,
69.3430

■ 30.7041, 15.4720,
57.2459

■ 74.5383, 90.2794,
69.3749

■ 29.7286, 14.3354,
57.0780

■ 75.2290, 90.6355,
69.4072

■ 29.1805, 13.8115,
57.0057

■ 75.9295, 90.9966,
69.4400

Harmonies

Analogous

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



47.2632, 47.4570, 68.3436



49.7392, 47.4570, 62.4157



50.9857, 47.4570, 54.0127

Triad

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



49.7392, 47.4570, 62.4157



45.9163, 47.4570, 37.1427



40.0227, 47.4570, 57.9951

Complementary

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



49.7392, 47.4570, 62.4157



47.5490, 54.9605, 49.1789

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.



39.6975, 47.4570, 49.4011



49.7392, 47.4570, 62.4157



43.0164, 47.4570, 37.9603

Square

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



49.7392, 47.4570, 62.4157



48.7163, 47.4570, 39.8686



40.7707, 47.4570, 42.2389



41.6795, 47.4570, 65.6030

Rectangle

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



49.7392, 47.4570, 62.4157



50.9154, 47.4570, 48.3861



40.7707, 47.4570, 42.2389



39.7570, 47.4570, 55.1047

Sweetspot

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



49.7406, 47.4590, 62.4167



91.4503, 93.4413, 107.8238



44.6939, 45.7501, 62.3529



19.4334, 19.7445, 23.0368



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.



49.7406, 47.4590, 62.4167



82.4333, 77.1495, 105.1544



49.4020, 47.4165, 56.4385



11.5552, 11.3355, 14.1493



18.8255, 8.9125, 36.6843



1.0082, 0.4789, 1.8942

Inverse Universe

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



48.0207, 46.8640, 49.1646



79.0614, 75.9861, 79.0206



47.8860, 55.0161, 54.5329



11.2641, 11.2344, 11.9253



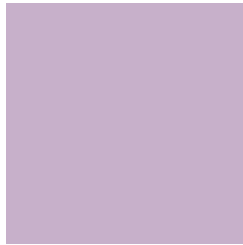
15.7921, 8.1274, 1.3581



0.8328, 0.4265, 0.1652

Previews

White Background



This preview shows how the XYZ color 49.7392, 47.4570, 62.4157 looks on a white background.

Color Contrast Check

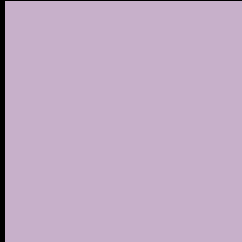
Large Text (above 18pt) WCAG AA × Fail

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 49.7392, 47.4570, 62.4157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

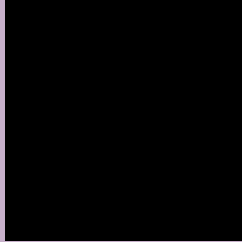
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7392, 47.4570, 62.4157

Background



This preview shows how black text looks on a background with the XYZ color 49.7392, 47.4570, 62.4157.



This preview shows how white text looks on a background with the XYZ color 49.7392, 47.4570,

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

49.7392, 47.4570, 62.4157

Protanopia

46.6909, 47.6154, 65.1223

Deuteranopia

48.5734, 47.4425, 62.4743



Tritanopia

48.4608, 47.5169, 56.4867

Trichromacy



Original Color

49.7392, 47.4570, 62.4157

Protanomaly

47.8342, 47.6151, 64.4271

Deuteranomaly

48.8885, 47.3107, 62.4323

Tritanomaly

48.9746, 47.4356, 58.7993

Monochromacy



Original Color

49.7392, 47.4570, 62.4157

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.7282, 48.3380, 56.6838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7392, 47.4570, 62.4157 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(199, 176, 202)` looks like.

```
.text, #text, p{  
    color:rgb(199, 176, 202)  
}
```

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(199, 176, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 176, 202) }
```

Border

The CSS property to change the border of an element to XYZ 49.7392, 47.4570, 62.4157 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(199, 176, 202) }
```


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

```
.border{ border-color:rgb(199, 176, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 176, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 176, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 176, 202);  
box-shadow:4px 4px 4px 4px rgb(199, 176,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7392, 47.4570, 62.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 176, 202) }
```

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

```
.background{ background-color: rgb(199,  
176, 202) }
```

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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