

# Converting Colors

XYZ(49.3347, 42.5171, 43.9952)

Have a look what the booklet for  
XYZ(49.3347, 42.5171, 43.9952)  
contains.

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# Color

**XYZ(49.2265, 42.4264,  
44.1227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD9DAB
RGB	221, 157, 171
RGB Percent	87%, 62%, 67%
CMY	0.1333, 0.3843, 0.3294
CMYK	0.00, 0.29, 0.23, 0.13
HSL	347°, 48%, 74%
HSV	347°, 29%, 87%
XYZ	49.2265, 42.4264, 44.1227
YIQ	177.7320, 33.6500, 17.9220

# Conversions

## Conversions Part 2

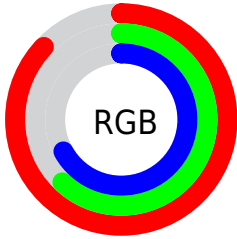
Format	Color
R <sub>Y</sub> B	221, 157, 171
Decimal	14523819
CIE Lab	71.16, 25.83, 2.28
CIE LCh	71, 25.929, 5.049
Yxy	42.4264, 0.3626, 0.3125
Android (android.graphics.Color)	4292713899 (0xFFDD9DAB)
YUV	177.7320, -3.3189, 37.9460
Hunter-Lab	65.1356, 20.9150, 5.4320

# Details

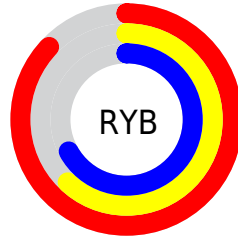
The XYZ color **49.2265, 42.4264, 44.1227** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.0254, 63.3871, 68.5803**, and the grayscale version is **42.1809, 44.3776, 48.3272**.

A 20% lighter version of the original color is **78.5110, 73.8380, 82.0657**, and **23.8984, 19.4344, 19.9444** is the 20% darker color. If you saturate the color by 10%, you get **44.2804, 34.9981, 34.8774**, and if you desaturate by 10%, it is **55.0663, 51.2972, 54.7276**.

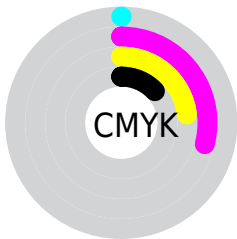
# Distribution



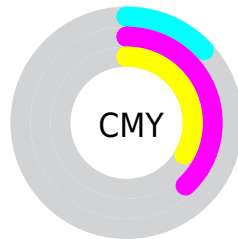
- Red (87%)
- Green (62%)
- Blue (67%)



- Red (87%)
- Yellow (62%)
- Blue (67%)



- Cyan (0%)
- Magenta (29%)
- Yellow (23%)
- Black (13%)




- Cyan (13%)
- Magenta (38%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2265, 42.4264, 44.1227 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 49.2265, 42.4264, 44.1227 by changing the saturation by 10% instead.





 49.2265, 42.4264,  
44.1227


 49.2265, 42.4264,  
44.1227


374.1355,  
356.2475, 379.2647

 35.0145, 29.4353,  
30.4291


 88.2265, 78.8446,  
82.7068

 23.8406, 19.4104,  
19.9097


 113.7451,  
103.0404, 108.4343

 15.3395, 11.9672,  
12.1460


143.7633,  
131.7400, 139.0103

 9.1459, 6.7213,  
6.7194

178.6465,  
165.3277, 174.8531

 4.8943, 3.2884,  
3.2115

218.7599,  
204.1879, 216.3815

 2.2195, 1.2841,  
1.2036

264.4690,

 0.7530, 0.1289,

248.7050, 264.0138

0.0000

316.1391,  
299.2634, 318.1687

0.0000, 0.0000,  
0.0000

49.2265, 42.4264,  
44.1227

49.2265, 42.4264,  
44.1227

44.2804, 34.9981,  
34.8774

55.0663, 51.2972,  
54.7276

40.1797, 28.9300,  
26.9335

61.8377, 61.6751,  
66.7419

36.8768, 24.1409,  
20.2321

69.5809, 73.6281,  
80.2162

34.3179, 20.5381,  
14.7087

78.3326, 87.2182,  
95.1976

32.4423, 18.0165,  
10.2928

83.6290, 94.1122,  
108.3655

■ 31.1792, 16.4524,  
6.9057

■ 30.4226, 15.6537,  
4.4507

■ 30.3594, 15.5884,  
4.2412

# Harmonies

## Analogous

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



48.3784, 42.4264, 57.0339



49.2265, 42.4264, 44.1227



47.5535, 42.4264, 33.7793

# Triad

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



49.2265, 42.4264, 44.1227



35.7179, 42.4264, 29.2548



36.9045, 42.4264, 71.4426

# Complementary

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



49.2265, 42.4264, 44.1227



51.0254, 63.3871, 68.5803

# 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.



33.8689, 42.4264, 61.3320



49.2265, 42.4264, 44.1227



33.2190, 42.4264, 36.8247

# Square

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



49.2265, 42.4264, 44.1227



39.5947, 42.4264, 26.2360



32.5670, 42.4264, 48.3315



41.0642, 42.4264, 74.3414



# Rectangle

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



49.2265, 42.4264, 44.1227



45.2996, 42.4264, 29.2377



32.5670, 42.4264, 48.3315



35.7286, 42.4264, 68.6957

# Sweetspot

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



49.2277, 42.4284, 44.1236



85.4069, 85.1198, 92.1021



50.5817, 42.4679, 73.9382



17.9693, 17.7407, 19.1661



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.



49.2277, 42.4284, 44.1236



63.6162, 51.9558, 52.7234



51.0550, 48.1063, 38.4953



13.1720, 13.0979, 14.1672



17.6708, 9.0693, 2.6464



1.1772, 0.6005, 0.3421



# Inverse Universe

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



49.2277, 42.4284, 44.1236



63.6162, 51.9558, 52.7234



48.5344, 55.5441, 76.5701



13.1720, 13.0979, 14.1672



17.6708, 9.0693, 2.6464

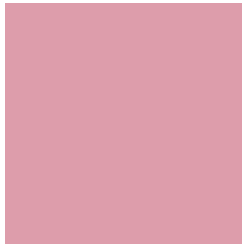


1.1772, 0.6005, 0.3421



# Previews

## White Background



This preview shows how the XYZ color 49.2265, 42.4264, 44.1227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

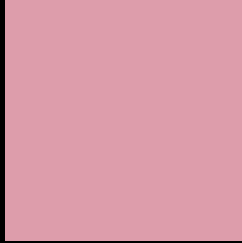
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2265, 42.4264, 44.1227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

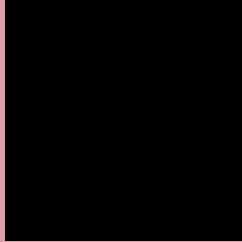
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.2265, 42.4264, 44.1227**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2265, 42.4264, 44.1227.



This preview shows how white text looks on a background with the XYZ color 49.2265, 42.4264,



# 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

49.2265, 42.4264, 44.1227

### Protanopia

41.3810, 42.8384, 49.8037

### Deuteranopia

43.5975, 42.7098, 43.4821



## Tritanopia

49.0372, 42.3507, 43.1261

# Trichromacy



## Original Color

49.2265, 42.4264, 44.1227

## Protanomaly

43.6767, 42.3861, 47.4743

## Deuteranomaly

45.6127, 42.6499, 43.8584

## Tritanomaly

49.1315, 42.3884, 43.6225

# Monochromacy



## Original Color

49.2265, 42.4264, 44.1227

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

44.3607, 43.3139, 46.5798

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2265, 42.4264, 44.1227 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(221, 157, 171)` looks like.

```
.text, #text, p{  
    color:rgb(221, 157, 171)  
}
```

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(221, 157, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 157, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2265, 42.4264, 44.1227 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(221, 157, 171) }
```



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

```
.border{ border-color:rgb(221, 157, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 157, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 157, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 157, 171); box-shadow:4px 4px 4px 4px rgb(221, 157, 171) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2265, 42.4264, 44.1227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 157, 171) }
```

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

```
.background{ background-color: rgb(221,  
157, 171) }
```

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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