

Converting Colors

XYZ(50.0086, 42.7432, 49.7417)

Have a look what the booklet for
XYZ(50.0086, 42.7432, 49.7417)
contains.

XYZ(50.0157, 42.7070, 49.8631)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.0157, 42.7070,
49.8631)**

Conversions

Conversions Part 1

Format	Color
Hex	DC9DB6
RGB	220, 157, 182
RGB Percent	86%, 62%, 71%
CMY	0.1373, 0.3843, 0.2863
CMYK	0.00, 0.29, 0.17, 0.14
HSL	336°, 47%, 74%
HSV	336°, 29%, 86%
XYZ	50.0157, 42.7070, 49.8631
YIQ	178.6870, 29.5230, 21.1310

Conversions

Conversions Part 2

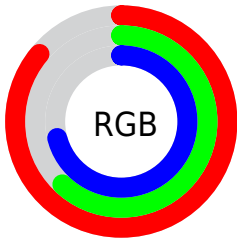
Format	Color
R _Y B	220, 157, 182
Decimal	14458294
CIE Lab	71.36, 27.14, -3.55
CIE LCh	71, 27.367, 352.555
Yxy	42.7070, 0.3508, 0.2995
Android (android.graphics.Color)	4292648374 (0xFFDC9DB6)
YUV	178.6870, 1.6333, 36.2315
Hunter-Lab	65.3506, 22.2504, 0.5066

Details

The XYZ color **50.0157, 42.7070, 49.8631** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.3500, 62.2958, 61.0561**, and the grayscale version is **42.6628, 44.8846, 48.8793**.

A 20% lighter version of the original color is **80.2161, 74.5200, 91.0449**, and **24.3239, 19.5806, 23.2663** is the 20% darker color. If you saturate the color by 10%, you get **45.3163, 35.3996, 41.8478**, and if you desaturate by 10%, it is **55.5177, 51.4106, 58.7881**.

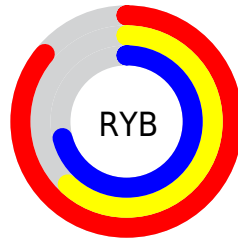
Distribution



Red (86%)

Green (62%)

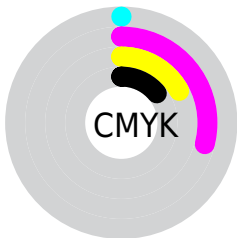
Blue (71%)



Red (86%)

Yellow (62%)

Blue (71%)

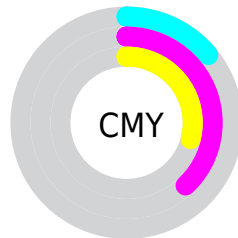


Cyan (0%)

Magenta (29%)

Yellow (17%)

Black (14%)



Cyan (14%)


Magenta (38%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0157, 42.7070, 49.8631 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 50.0157, 42.7070, 49.8631 by changing the saturation by 10% instead.


 50.0157, 42.7070,
49.8631


 50.0157, 42.7070,
49.8631


377.1783,
357.4054, 402.8501

 35.6437, 29.6553,
34.9342


 89.3898, 79.2685,
91.3662

 24.3280, 19.5771,
23.3291


 115.1227,
103.5471, 118.7775

 15.7032, 12.0880,
14.6291


145.3732,
132.3368, 151.1867

 9.4039, 6.8036,
8.4158

180.5067,
166.0220, 189.0124

 5.0647, 3.3396,
4.2706

220.8887,
204.9871, 232.6730

 2.3204, 1.3115,
1.7749

266.8843,

 0.8051, 0.1501,

249.6164, 282.5871

0.4113

318.8591,
300.2944, 339.1733

■ 0.0000, 0.0000,
0.0000

■ 50.0157, 42.7070,
49.8631

■ 50.0157, 42.7070,
49.8631

■ 45.3163, 35.3996,
41.8478

■ 55.5177, 51.4106,
58.7881

■ 41.3762, 29.4092,
34.7088

■ 61.8554, 61.5725,
68.6496

■ 38.1536, 24.6575,
28.4140

■ 69.0644, 73.2580,
79.4763

■ 35.6009, 21.0554,
22.9280

■ 77.1771, 86.5270,
91.2947

■ 33.6640, 18.5020,
18.2125

■ 82.2738, 93.5351,
102.8137

■ 32.2802, 16.8780,
14.2249

■ 83.3254, 93.9558,
108.3513

■ 31.3557, 16.0040,
10.9109

■ 31.2477, 15.9087,
10.5034

Harmonies

Analogous

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



48.0321, 42.7070, 63.6778



50.0157, 42.7070, 49.8631



49.3266, 42.7070, 37.4397

Triad

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



50.0157, 42.7070, 49.8631



37.2906, 42.7070, 26.7998



35.4447, 42.7070, 69.6685

Complementary

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



50.0157, 42.7070, 49.8631



49.3500, 62.2958, 61.0561

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.



32.9542, 42.7070, 56.9169



50.0157, 42.7070, 49.8631



33.9624, 42.7070, 32.7288

Square

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



50.0157, 42.7070, 49.8631



41.7494, 42.7070, 25.6227



32.4327, 42.7070, 43.2929



39.4556, 42.7070, 76.4359

Rectangle

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



50.0157, 42.7070, 49.8631



47.4668, 42.7070, 31.3780



32.4327, 42.7070, 43.2929



34.4147, 42.7070, 65.8366

Sweetspot

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



50.0169, 42.7090, 49.8640



86.0112, 85.3616, 95.2846



47.4310, 40.8589, 73.0974



18.1175, 17.7999, 19.9462



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.



50.0169, 42.7090, 49.8640



66.0420, 53.6737, 63.1927



48.7531, 43.9531, 37.8149



13.2690, 13.1367, 14.6777



18.3902, 9.3571, 6.4350



1.2331, 0.6229, 0.6367

Inverse Universe

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



50.0169, 42.7090, 49.8640



66.0420, 53.6737, 63.1927



50.7951, 60.2780, 76.6683



13.2690, 13.1367, 14.6777



18.3902, 9.3571, 6.4350



1.2331, 0.6229, 0.6367

Previews

White Background



This preview shows how the XYZ color 50.0157, 42.7070, 49.8631 looks on a white background.

Color Contrast Check

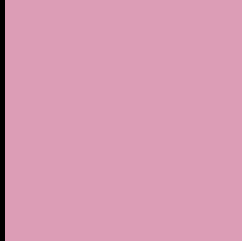
Large Text (above 18pt) WCAG AA × Fail

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 50.0157, 42.7070, 49.8631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

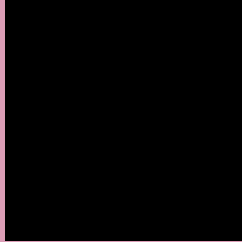
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0157, 42.7070, 49.8631

Background



This preview shows how black text looks on a background with the XYZ color 50.0157, 42.7070, 49.8631.



This preview shows how white text looks on a background with the XYZ color 50.0157, 42.7070,

49.8631.

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

50.0157, 42.7070, 49.8631

Protanopia

41.8841, 42.9621, 55.9542

Deuteranopia

43.8481, 42.9919, 49.1672



Tritanopia

48.9622, 42.7966, 44.2081

Trichromacy



Original Color

50.0157, 42.7070, 49.8631

Protanomaly

44.3149, 42.5833, 53.4607

Deuteranomaly

45.8830, 42.6640, 49.5327

Tritanomaly

49.1781, 42.6089, 46.1898

Monochromacy



Original Color

50.0157, 42.7070, 49.8631

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.0493, 43.8904, 49.2774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0157, 42.7070, 49.8631 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(220, 157, 182)` looks like.

```
.text, #text, p{  
    color:rgb(220, 157, 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(220, 157, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 157, 182) }
```

Border

The CSS property to change the border of an element to XYZ 50.0157, 42.7070, 49.8631 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(220, 157, 182) }
```


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

```
.border{ border-color:rgb(220, 157, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 157, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 157, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 157, 182); box-shadow:4px 4px 4px 4px rgb(220, 157, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0157, 42.7070, 49.8631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 157, 182) }
```

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

```
.background{ background-color: rgb(220,  
157, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor