

Converting Colors

XYZ(49.1931, 41.9557, 63.4858)

Have a look what the booklet for
XYZ(49.1931, 41.9557, 63.4858)
contains.

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Color

**XYZ(49.0888, 41.9316,
63.2640)**

Conversions

Conversions Part 1

Format	Color
Hex	D09DCD
RGB	208, 157, 205
RGB Percent	82%, 62%, 80%
CMY	0.1843, 0.3843, 0.1961
CMYK	0.00, 0.25, 0.01, 0.18
HSL	304°, 35%, 72%
HSV	304°, 25%, 82%
XYZ	49.0888, 41.9316, 63.2640
YIQ	177.7210, 14.9880, 25.7400

Conversions

Conversions Part 2

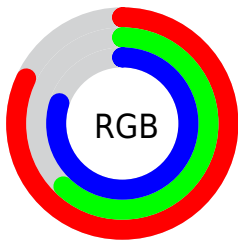
Format	Color
R _Y B	208, 157, 205
Decimal	13671885
CIE Lab	70.82, 26.92, -17.19
CIE LCh	71, 31.942, 327.434
Yxy	41.9316, 0.3182, 0.2718
Android (android.graphics.Color)	4291861965 (0xFFD09DCD)
YUV	177.7210, 13.4485, 26.5547
Hunter-Lab	64.7546, 21.9957, -12.5969

Details

The XYZ color **49.0888, 41.9316, 63.2640** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.8073, 54.8191, 41.5849**, and the grayscale version is **42.0963, 44.2886, 48.2303**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **23.7744, 19.1098, 31.7137** is the 20% darker color. If you saturate the color by 10%, you get **45.7181, 35.4250, 61.4149**, and if you desaturate by 10%, it is **53.0622, 49.6404, 65.3206**.

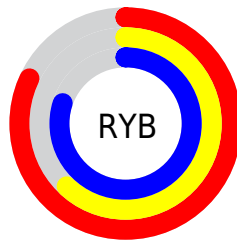
Distribution



Red (82%)

Green (62%)

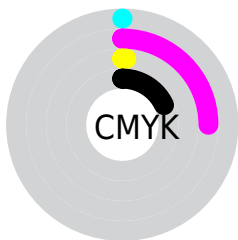
Blue (80%)



Red (82%)

Yellow (62%)

Blue (80%)

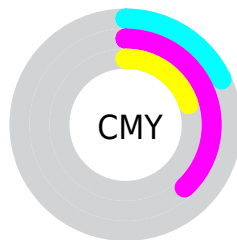


Cyan (0%)

Magenta (25%)

Yellow (1%)

Black (18%)



Cyan (18%)


Magenta (38%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0888, 41.9316, 63.2640 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 49.0888, 41.9316, 63.2640 by changing the saturation by 10% instead.

 49.0888, 41.9316,
63.2640

 49.0888, 41.9316,
63.2640


373.6030,
354.1993, 454.6613

 34.9048, 29.0477,
45.6124


 88.0233, 78.0961,
111.1395

 23.7557, 19.1169,
31.5936


 113.5044,
102.1455, 142.2006

 15.2762, 11.7548,
20.7891


143.4819,
130.6856, 178.5686

 9.1011, 6.5769,
12.7802

178.3212,
164.1007, 220.6621

 4.8648, 3.1990,
7.1484

218.3876,
202.7752, 268.8995

 2.2021, 1.2365,
3.4752

264.0464,

 0.7438, 0.0912,

247.0936, 323.6995

1.3421

315.6631,
297.4401, 385.4806

■ 0.0000, 0.0000,
0.0959

■ 0.0000, 0.0000,
0.0000

■ 49.0888, 41.9316,
63.2640

■ 49.0888, 41.9316,
63.2640

■ 45.7181, 35.4250,
61.4149

■ 53.0622, 49.6404,
65.3206

■ 42.9161, 30.0545,
59.7606

■ 57.6628, 58.6023,
67.5915

■ 40.6509, 25.7560,
58.2910

■ 62.9181, 68.8719,
70.0864

■ 38.8862, 22.4566,
56.9938

■ 68.8531, 80.4991,
72.8136

37.5812, 20.0747,
55.8555

73.5456, 89.6392,
75.1323

36.6885, 18.5156,
54.8603

73.6997, 89.7009,
75.9441

36.1506, 17.6642,
53.9890

73.8551, 89.7630,
76.7620

35.9498, 17.3849,
53.5450

74.0115, 89.8256,
77.5861

74.1692, 89.8887,
78.4163

Harmonies

Analogous

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



44.7439, 41.9316, 76.8187



49.0888, 41.9316, 63.2640



50.9435, 41.9316, 46.9772

Triad

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



49.0888, 41.9316, 63.2640



40.3133, 41.9316, 22.2408



31.4661, 41.9316, 60.4892

Complementary

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



49.0888, 41.9316, 63.2640



42.8073, 54.8191, 41.5849

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.



30.5045, 41.9316, 44.3606



49.0888, 41.9316, 63.2640



35.3354, 41.9316, 24.3191

Square

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



49.0888, 41.9316, 63.2640



45.6040, 41.9316, 25.1890



31.8580, 41.9316, 31.6625



34.6102, 41.9316, 74.9828

Rectangle

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



49.0888, 41.9316, 63.2640



50.4053, 41.9316, 37.4476



31.8580, 41.9316, 31.6625



30.8898, 41.9316, 54.9848

Sweetspot

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



49.0901, 41.9334, 63.2649



89.4490, 89.0678, 106.2012



37.8514, 36.0974, 64.6477



19.0476, 18.8728, 22.6834



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.



49.0901, 41.9334, 63.2649



75.1314, 61.2710, 98.8441



46.3040, 40.8190, 48.5934



12.2795, 11.9965, 14.7477



22.4184, 10.8402, 33.4389



1.2628, 0.6099, 1.9189

Inverse Universe

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



49.0901, 41.9334, 63.2649



75.1314, 61.2710, 98.8441



45.2242, 55.7859, 54.3123



12.2795, 11.9965, 14.7477



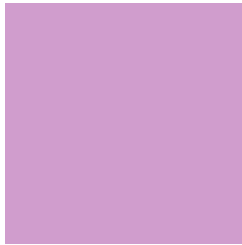
22.4184, 10.8402, 33.4389



1.2628, 0.6099, 1.9189

Previews

White Background



This preview shows how the XYZ color 49.0888, 41.9316, 63.2640 looks on a white background.

Color Contrast Check

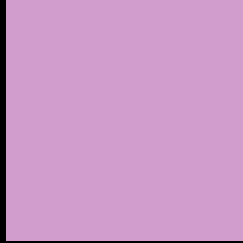
Large Text (above 18pt) WCAG AA × Fail

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 49.0888, 41.9316, 63.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

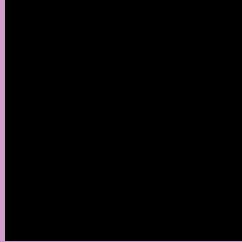
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0888, 41.9316, 63.2640

Background



This preview shows how black text looks on a background with the XYZ color 49.0888, 41.9316, 63.2640.



This preview shows how white text looks on a background with the XYZ color 49.0888, 41.9316,

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

49.0888, 41.9316, 63.2640

Protanopia

42.1225, 42.1979, 70.2149

Deuteranopia

42.8720, 41.9178, 62.3313



Tritanopia

45.5600, 41.7732, 46.2192

Trichromacy



Original Color

49.0888, 41.9316, 63.2640

Protanomaly

44.1670, 41.9243, 67.3924

Deuteranomaly

45.0933, 41.9613, 62.8494

Tritanomaly

46.6106, 41.6659, 52.0401

Monochromacy



Original Color

49.0888, 41.9316, 63.2640

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.4381, 43.1991, 53.5731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0888, 41.9316, 63.2640 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(208, 157, 205)` looks like.

```
.text, #text, p{  
    color:rgb(208, 157, 205)  
}
```

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(208, 157, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 157, 205) }
```

Border

The CSS property to change the border of an element to XYZ 49.0888, 41.9316, 63.2640 is called "border". The border property can be set on classes, ids or directly on the HTML element.

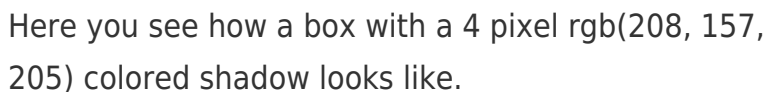
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 157, 205) }
```


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

```
.border{ border-color:rgb(208, 157, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(208, 157, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 157, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 157, 205);  
box-shadow:4px 4px 4px 4px rgb(208, 157,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0888, 41.9316, 63.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 157, 205) }
```

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

```
.background{ background-color: rgb(208,  
157, 205) }
```

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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