

Converting Colors

XYZ(49.8434, 41.8937, 63.1169)

Have a look what the booklet for
XYZ(49.8434, 41.8937, 63.1169)
contains.

XYZ(49.8922, 41.8475, 63.2054)	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(49.8922, 41.8475,
63.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	D49BCD
RGB	212, 155, 205
RGB Percent	83%, 61%, 80%
CMY	0.1686, 0.3921, 0.1961
CMYK	0.00, 0.27, 0.03, 0.17
HSL	307°, 40%, 72%
HSV	307°, 27%, 83%
XYZ	49.8922, 41.8475, 63.2054
YIQ	177.7430, 17.9220, 27.6340

Conversions

Conversions Part 2

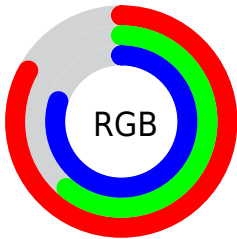
Format	Color
R_{YB}	212, 155, 205
Decimal	13933517
CIE _{Lab}	70.77, 29.35, -17.24
CIE _{LCh}	71, 34.037, 329.565
Yxy	41.8475, 0.3220, 0.2701
Android (android.graphics.Color)	4292123597 (0xFFD49BCD)
YUV	177.7430, 13.4377, 30.0434
Hunter-Lab	64.6896, 24.4621, -12.6469

Details

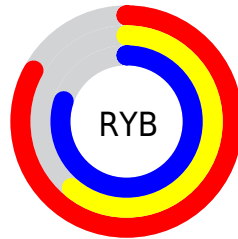
The XYZ color **49.8922, 41.8475, 63.2054** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.5844, 56.6655, 42.8252**, and the grayscale version is **42.1069, 44.2997, 48.2424**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **24.3408, 19.1030, 31.6825** is the 20% darker color. If you saturate the color by 10%, you get **46.3577, 35.2766, 60.4897**, and if you desaturate by 10%, it is **54.0539, 49.6630, 66.1569**.

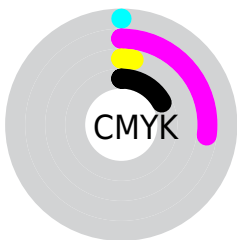
Distribution



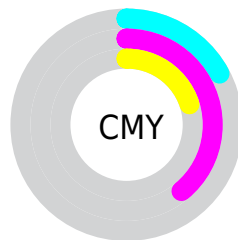
- Red (83%)
- Green (61%)
- Blue (80%)



- Red (83%)
- Yellow (61%)
- Blue (80%)



- Cyan (0%)
- Magenta (27%)
- Yellow (3%)
- Black (17%)





- Cyan (17%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8922, 41.8475, 63.2054 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 49.8922, 41.8475, 63.2054 by changing the saturation by 10% instead.


 49.8922, 41.8475,
63.2054


 49.8922, 41.8475,
63.2054


376.7032,
353.8504, 454.4430

 35.5452, 28.9819,
45.5653


 89.2079, 77.9688,
111.0542

 24.2516, 19.0671,
31.5568


 114.9073,
101.9932, 142.1001

 15.6461, 11.7188,
20.7612


145.1216,
130.5061, 178.4516

 9.3633, 6.5525,
12.7600

180.2161,
163.8918, 220.5273

 5.0379, 3.1839,
7.1347

220.5561,
202.5346, 268.7457

 2.3045, 1.2285,
3.4668

266.5071,

 0.7970, 0.0848,

246.8191, 323.5255

1.3376

318.4343,
297.1295, 385.2850

■ 0.0000, 0.0000,
0.0923

■ 0.0000, 0.0000,
0.0000

■ 49.8922, 41.8475,
63.2054

■ 49.8922, 41.8475,
63.2054

■ 46.3577, 35.2766,
60.4897

■ 54.0539, 49.6630,
66.1569

■ 43.4141, 29.8799,
57.9962

■ 58.8690, 58.7775,
69.3516

■ 41.0273, 25.5887,
55.7139

■ 64.3669, 69.2491,
72.8000

■ 39.1583, 22.3246,
53.6297

■ 70.5739, 81.1306,
76.5110

37.7627, 19.9992,
51.7285

75.5693, 90.5803,
79.8443

36.7888, 18.5091,
49.9931

75.9129, 90.7177,
81.6535

36.1689, 17.7188,
48.4008

76.2618, 90.8573,
83.4910

36.0108, 17.5409,
47.9215

76.6162, 90.9990,
85.3570

76.9759, 91.1429,
87.2515

Harmonies

Analogous

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



45.3774, 41.8475, 78.3240



49.8922, 41.8475, 63.2054



51.6527, 41.8475, 45.8013

Triad

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



49.8922, 41.8475, 63.2054



39.8573, 41.8475, 21.0033



31.0569, 41.8475, 62.6981

Complementary

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



49.8922, 41.8475, 63.2054



43.5844, 56.6655, 42.8252

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.



29.8736, 41.8475, 45.3291



49.8922, 41.8475, 63.2054



34.6534, 41.8475, 23.5131

Square

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



49.8922, 41.8475, 63.2054



45.5335, 41.8475, 23.6653



31.1269, 41.8475, 31.5560



34.5233, 41.8475, 77.9857

Rectangle

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



49.8922, 41.8475, 63.2054



50.9103, 41.8475, 35.9229



31.1269, 41.8475, 31.5560



30.3944, 41.8475, 56.7938

Sweetspot

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



49.8935, 41.8493, 63.2063



88.4831, 87.5075, 104.7339



38.4361, 35.8430, 67.1809



18.6910, 18.2597, 22.2557



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.



49.8935, 41.8493, 63.2063



72.7384, 57.8920, 93.7089



46.7951, 40.6100, 46.8906



12.8843, 12.6052, 15.3310



22.2562, 10.8388, 29.7166



1.3613, 0.6613, 1.8918

Inverse Universe

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



49.8935, 41.8493, 63.2063



72.7384, 57.8920, 93.7089



46.3733, 57.7811, 57.5115



12.8843, 12.6052, 15.3310



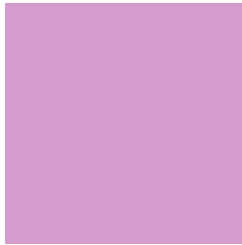
22.2562, 10.8388, 29.7166



1.3613, 0.6613, 1.8918

Previews

White Background



This preview shows how the XYZ color 49.8922, 41.8475, 63.2054 looks on a white background.

Color Contrast Check

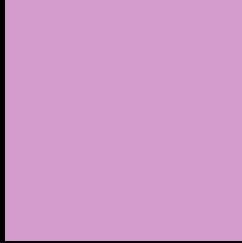
Large Text (above 18pt) WCAG AA × Fail

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 49.8922, 41.8475, 63.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

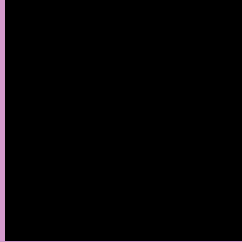
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8922, 41.8475, 63.2054

Background



This preview shows how black text looks on a background with the XYZ color 49.8922, 41.8475, 63.2054.



This preview shows how white text looks on a background with the XYZ color 49.8922, 41.8475,

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

49.8922, 41.8475, 63.2054

Protanopia

42.2515, 42.2494, 70.8938

Deuteranopia

42.7531, 41.8703, 61.7056



Tritanopia

46.3001, 41.9168, 45.1856

Trichromacy



Original Color

49.8922, 41.8475, 63.2054

Protanomaly

44.5759, 41.8497, 68.0157

Deuteranomaly

45.0412, 41.6815, 62.1713

Tritanomaly

47.4496, 41.8544, 51.4768

Monochromacy



Original Color

49.8922, 41.8475, 63.2054

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.6870, 43.3274, 53.5847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8922, 41.8475, 63.2054 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(212, 155, 205)` looks like.

```
.text, #text, p{  
    color:rgb(212, 155, 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(212, 155, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 155, 205) }
```

Border

The CSS property to change the border of an element to XYZ 49.8922, 41.8475, 63.2054 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(212, 155, 205) }
```


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

```
.border{ border-color:rgb(212, 155, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 155, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 155, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 155, 205);  
box-shadow:4px 4px 4px 4px rgb(212, 155,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8922, 41.8475, 63.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 155, 205) }
```

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

```
.background{ background-color: rgb(212,  
155, 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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