

Converting Colors

XYZ(49.0986, 42.9855, 63.4145)

Have a look what the booklet for
XYZ(49.0986, 42.9855, 63.4145)
contains.

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Color

**XYZ(49.2179, 43.0193,
63.4671)**

Conversions

Conversions Part 1

Format	Color
Hex	CEA1CD
RGB	206, 161, 205
RGB Percent	81%, 63%, 80%
CMY	0.1922, 0.3686, 0.1961
CMYK	0.00, 0.22, 0.00, 0.19
HSL	301°, 31%, 72%
HSV	301°, 22%, 81%
XYZ	49.2179, 43.0193, 63.4671
YIQ	179.4710, 12.6960, 23.2240

Conversions

Conversions Part 2

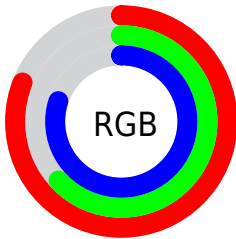
Format	Color
R _Y B	206, 161, 205
Decimal	13541837
CIE Lab	71.57, 24.06, -16.09
CIE LCh	72, 28.946, 326.234
Yxy	43.0193, 0.3161, 0.2763
Android (android.graphics.Color)	4291731917 (0xFFCEA1CD)
YUV	179.4710, 12.5858, 23.2659
Hunter-Lab	65.5891, 19.1650, -11.4594

Details

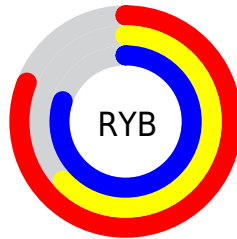
The XYZ color **49.2179, 43.0193, 63.4671** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.2925, 54.3296, 42.3896**, and the grayscale version is **43.0303, 45.2712, 49.3003**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **23.8171, 19.7510, 31.8352** is the 20% darker color. If you saturate the color by 10%, you get **45.8556, 36.3823, 62.0745**, and if you desaturate by 10%, it is **53.1760, 50.8462, 65.0601**.

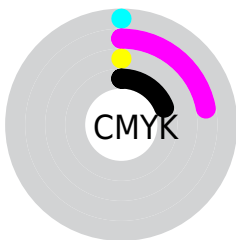
Distribution



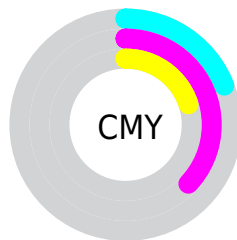
- Red (81%)
- Green (63%)
- Blue (80%)



- Red (81%)
- Yellow (63%)
- Blue (80%)



- Cyan (0%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)





- Cyan (19%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2179, 43.0193, 63.4671 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 49.2179, 43.0193, 63.4671 by changing the saturation by 10% instead.


 49.2179, 43.0193,
63.4671


 49.2179, 43.0193,
63.4671


374.1023,
358.6911, 455.4172

 35.0076, 29.9003,
45.7758


 88.2138, 79.7400,
111.4352

 23.8353, 19.7629,
31.7215


 113.7301,
104.1104, 142.5490

 15.3355, 12.2228,
20.8858

143.7457,
133.0001, 178.9741

 9.1431, 6.8956,
12.8501

178.6262,
166.7934, 221.1290

 4.8925, 3.3969,
7.1959

218.7367,
205.8748, 269.4322

 2.2184, 1.3423,
3.5046

264.4426,

 0.7524, 0.1736,

250.6286, 324.3023

1.3577

316.1094,
301.4393, 386.1578

■ 0.0000, 0.0000,
0.1084

■ 0.0000, 0.0000,
0.0000

■ 49.2179, 43.0193,
63.4671

■ 49.2179, 43.0193,
63.4671

■ 45.8556, 36.3823,
62.0745

■ 53.1760, 50.8462,
65.0601

■ 43.0562, 30.8716,
60.8698

■ 57.7531, 59.9115,
66.8598

■ 40.7896, 26.4262,
59.8434

■ 62.9758, 70.2677,
68.8754

■ 39.0211, 22.9769,
58.9840

■ 68.8680, 81.9628,
71.1151

37.7123, 20.4465,
58.2785

72.5121, 89.1612,
72.6061

36.8189, 18.7467,
57.7123

72.5683, 89.1837,
72.9021

36.2878, 17.7714,
57.2677

72.6246, 89.2063,
73.1988

36.0463, 17.3589,
56.9695

72.6811, 89.2289,
73.4964

72.7378, 89.2515,
73.7949

Harmonies

Analogous

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



45.1893, 43.0193, 75.4011



49.2179, 43.0193, 63.4671



51.0119, 43.0193, 48.6328

Triad

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



49.2179, 43.0193, 63.4671



41.5096, 43.0193, 24.7727



33.0176, 43.0193, 59.7873

Complementary

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



49.2179, 43.0193, 63.4671



43.2925, 54.3296, 42.3896

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.



32.2018, 43.0193, 45.0932



49.2179, 43.0193, 63.4671



36.8697, 43.0193, 26.5923

Square

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



49.2179, 43.0193, 63.4671



46.3431, 43.0193, 27.8242



33.5563, 43.0193, 33.4056



35.8797, 43.0193, 72.9964

Rectangle

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



49.2179, 43.0193, 63.4671



50.6019, 43.0193, 39.7056



33.5563, 43.0193, 33.4056



32.5053, 43.0193, 54.7831

Sweetspot

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



49.2192, 43.0212, 63.4680



89.5538, 89.1097, 106.7531



38.7369, 37.6033, 63.6099



19.0720, 18.8826, 22.8117



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.



49.2192, 43.0212, 63.4680



77.1867, 64.6517, 101.7793



46.7212, 42.0220, 50.3137



11.6764, 11.3993, 14.0964



22.2009, 10.6909, 35.1062



1.1488, 0.5529, 1.8295

Inverse Universe

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



49.2192, 43.0212, 63.4680



77.1867, 64.6517, 101.7793



45.4488, 55.1921, 53.7443



11.6764, 11.3993, 14.0964



22.2009, 10.6909, 35.1062



1.1488, 0.5529, 1.8295

Previews

White Background



This preview shows how the XYZ color 49.2179, 43.0193, 63.4671 looks on a white background.

Color Contrast Check

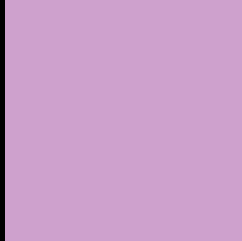
Large Text (above 18pt) WCAG AA × Fail

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 49.2179, 43.0193, 63.4671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

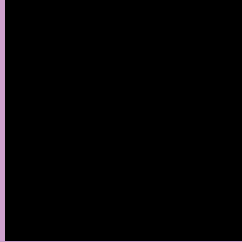
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2179, 43.0193, 63.4671

Background



This preview shows how black text looks on a background with the XYZ color 49.2179, 43.0193, 63.4671.



This preview shows how white text looks on a background with the XYZ color 49.2179, 43.0193,

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

49.2179, 43.0193, 63.4671

Protanopia

43.2100, 43.3426, 69.7069

Deuteranopia

43.9328, 43.0213, 62.4883



Tritanopia

46.1300, 43.0837, 48.5325

Trichromacy



Original Color

49.2179, 43.0193, 63.4671

Protanomaly

45.0019, 42.9028, 67.5372

Deuteranomaly

45.7041, 42.8159, 62.9822

Tritanomaly

46.9812, 42.8783, 53.3771

Monochromacy



Original Color

49.2179, 43.0193, 63.4671

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.8159, 43.9547, 53.6990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2179, 43.0193, 63.4671 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(206, 161, 205)` looks like.

```
.text, #text, p{  
    color:rgb(206, 161, 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(206, 161, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 161, 205) }
```

Border

The CSS property to change the border of an element to XYZ 49.2179, 43.0193, 63.4671 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(206, 161, 205) }
```


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

```
.border{ border-color:rgb(206, 161, 205) }
```

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

Here you see how a box with a 4 pixel rgb(206, 161, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 161, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 161, 205);  
box-shadow:4px 4px 4px 4px rgb(206, 161,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2179, 43.0193, 63.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 161, 205) }
```

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

```
.background{ background-color: rgb(206,  
161, 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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