

Converting Colors

XYZ(49.2468, 43.6590, 62.5482)

Have a look what the booklet for
XYZ(49.2468, 43.6590, 62.5482)
contains.

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Color

**XYZ(49.0535, 43.4853,
62.3080)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA3CB
RGB	205, 163, 203
RGB Percent	80%, 64%, 80%
CMY	0.1961, 0.3608, 0.2039
CMYK	0.00, 0.20, 0.01, 0.20
HSL	303°, 30%, 72%
HSV	303°, 20%, 80%
XYZ	49.0535, 43.4853, 62.3080
YIQ	180.1180, 12.1920, 21.3440

Conversions

Conversions Part 2

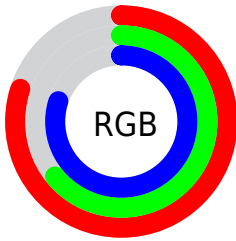
Format	Color
R_{YB}	205, 163, 203
Decimal	13476811
CIE _{Lab}	71.88, 22.26, -14.52
CIE _{LCh}	72, 26.576, 326.878
Yxy	43.4853, 0.3168, 0.2808
Android (android.graphics.Color)	4291666891 (0xFFCDA3CB)
YUV	180.1180, 11.2808, 21.8215
Hunter-Lab	65.9434, 17.3804, -9.8610

Details

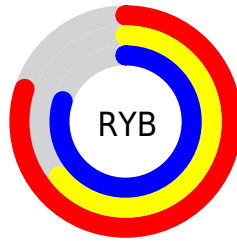
The XYZ color **49.0535, 43.4853, 62.3080** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.7288, 54.1671, 43.7502**, and the grayscale version is **43.3836, 45.6429, 49.7051**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **23.6869, 20.0228, 31.0501** is the 20% darker color. If you saturate the color by 10%, you get **45.5890, 36.7412, 60.5813**, and if you desaturate by 10%, it is **53.1114, 51.4135, 64.2370**.

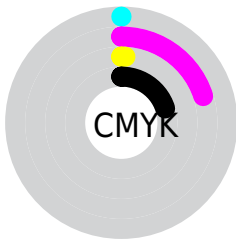
Distribution



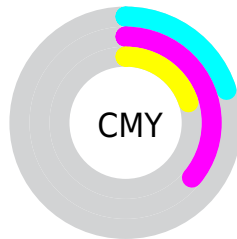
- Red (80%)
- Green (64%)
- Blue (80%)



- Red (80%)
- Yellow (64%)
- Blue (80%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (20%)





- Cyan (20%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0535, 43.4853, 62.3080 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 49.0535, 43.4853, 62.3080 by changing the saturation by 10% instead.


 49.0535, 43.4853,
62.3080

 49.0535, 43.4853,
62.3080


373.4664,
360.6038, 451.0923

 34.8766, 30.2661,
44.8442


 87.9712, 80.4427,
109.7465

 23.7339, 20.0406,
30.9927


 113.4426,
104.9496, 140.5582

 15.2600, 12.4246,
20.3349


143.4097,
133.9879, 176.6564

 9.0896, 7.0335,
12.4522

178.2377,
167.9420, 218.4595

 4.8572, 3.4831,
6.9262

218.2921,
207.1962, 266.3861

 2.1976, 1.3888,
3.3382

263.9380,

 0.7415, 0.2085,

252.1350, 320.8548

1.2698

315.5410,
303.1427, 382.2840

■ 0.0000, 0.0000,
0.0369

■ 0.0000, 0.0000,
0.0000

■ 49.0535, 43.4853,
62.3080

■ 49.0535, 43.4853,
62.3080

■ 45.5890, 36.7412,
60.5813

■ 53.1114, 51.4135,
64.2370

■ 42.6855, 31.1188,
59.0448

■ 57.7851, 60.5729,
66.3745

■ 40.3137, 26.5584,
57.6891

■ 63.1009, 71.0153,
68.7296

■ 38.4398, 22.9927,
56.5029

■ 69.0822, 82.7877,
71.3102

37.0263, 20.3468,
55.4739

72.3080, 89.0476,
72.9760

36.0305, 18.5349,
54.5876

72.4284, 89.0958,
73.6102

35.4014, 17.4554,
53.8271

72.5496, 89.1443,
74.2484

35.0544, 16.9302,
53.1908

72.6715, 89.1931,
74.8905

72.7942, 89.2421,
75.5365

Harmonies

Analogous

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



45.3903, 43.4853, 73.2283



49.0535, 43.4853, 62.3080



50.6404, 43.4853, 48.7181

Triad

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



49.0535, 43.4853, 62.3080



41.8071, 43.4853, 26.5738



34.0475, 43.4853, 59.5279

Complementary

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



49.0535, 43.4853, 62.3080



43.7288, 54.1671, 43.7502

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.



33.2396, 43.4853, 46.0040



49.0535, 43.4853, 62.3080



37.5221, 43.4853, 28.4211

Square

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



49.0535, 43.4853, 62.3080



46.2695, 43.4853, 29.3977



34.4656, 43.4853, 34.9976



36.7579, 43.4853, 71.4284

Rectangle

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



49.0535, 43.4853, 62.3080



50.2273, 43.4853, 40.4770



34.4656, 43.4853, 34.9976



33.5534, 43.4853, 54.9558

Sweetspot

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



49.0548, 43.4872, 62.3089



90.2447, 90.5768, 106.7205



39.5111, 38.5395, 63.1148



19.2091, 19.1775, 22.7935



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.



49.0548, 43.4872, 62.3089



77.4903, 65.6567, 100.6541



46.7812, 42.5777, 50.3361



11.6636, 11.3942, 14.0290



21.8326, 10.5436, 33.1670



1.1336, 0.5468, 1.7494

Inverse Universe

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



49.0548, 43.4872, 62.3089



77.4903, 65.6567, 100.6541



45.7364, 54.9701, 54.3220



11.6636, 11.3942, 14.0290



21.8326, 10.5436, 33.1670



1.1336, 0.5468, 1.7494

Previews

White Background



This preview shows how the XYZ color 49.0535, 43.4853, 62.3080 looks on a white background.

Color Contrast Check

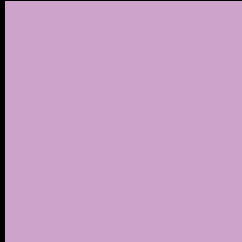
Large Text (above 18pt) WCAG AA × Fail

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 49.0535, 43.4853, 62.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

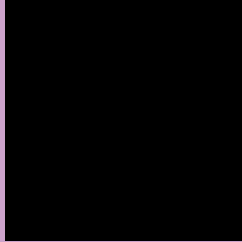
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0535, 43.4853, 62.3080

Background



This preview shows how black text looks on a background with the XYZ color 49.0535, 43.4853, 62.3080.



This preview shows how white text looks on a background with the XYZ color 49.0535, 43.4853,

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

49.0535, 43.4853, 62.3080

Protanopia

43.4500, 43.7981, 67.7918

Deuteranopia

44.5865, 43.6672, 61.3370



Tritanopia

46.4141, 43.4893, 49.1280

Trichromacy



Original Color

49.0535, 43.4853, 62.3080

Protanomaly

45.2395, 43.6250, 65.7106

Deuteranomaly

46.0838, 43.5874, 61.8614

Tritanomaly

47.3419, 43.5998, 53.4974

Monochromacy



Original Color

49.0535, 43.4853, 62.3080

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.1994, 44.7218, 53.8268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0535, 43.4853, 62.3080 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(205, 163, 203)` looks like.

```
.text, #text, p{  
    color:rgb(205, 163, 203)  
}
```

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(205, 163, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 163, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.0535, 43.4853, 62.3080 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(205, 163, 203) }
```


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

```
.border{ border-color:rgb(205, 163, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 163, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 163, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 163, 203);  
box-shadow:4px 4px 4px 4px rgb(205, 163,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0535, 43.4853, 62.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 163, 203) }
```

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

```
.background{ background-color: rgb(205,  
163, 203) }
```

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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