

Converting Colors

XYZ(48.9626, 43.6986, 62.3563)

Have a look what the booklet for
XYZ(48.9626, 43.6986, 62.3563)
contains.

XYZ(48.9568, 43.7001, 62.3546)	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(48.9568, 43.7001,
62.3546)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA4CB
RGB	204, 164, 203
RGB Percent	80%, 64%, 80%
CMY	0.2000, 0.3568, 0.2039
CMYK	0.00, 0.20, 0.00, 0.20
HSL	302°, 28%, 72%
HSV	302°, 20%, 80%
XYZ	48.9568, 43.7001, 62.3546
YIQ	180.4060, 11.3210, 20.6090

Conversions

Conversions Part 2

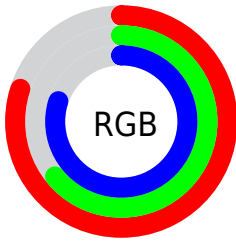
Format	Color
RYB	204, 164, 203
Decimal	13411531
CIELab	72.03, 21.37, -14.31
CIELCh	72, 25.722, 326.186
Yxy	43.7001, 0.3158, 0.2819
Android (android.graphics.Color)	4291601611 (0xFFCCA4CB)
YUV	180.4060, 11.1388, 20.6919
Hunter-Lab	66.1061, 16.5079, -9.6511

Details

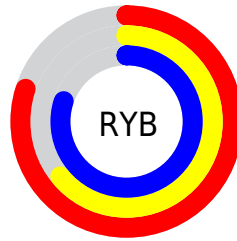
The XYZ color **48.9568, 43.7001, 62.3546** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.6960, 53.7962, 43.6803**, and the grayscale version is **43.5394, 45.8069, 49.8837**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **23.6134, 20.1478, 31.0781** is the 20% darker color. If you saturate the color by 10%, you get **45.5346, 36.9521, 60.9149**, and if you desaturate by 10%, it is **52.9674, 51.6232, 63.9925**.

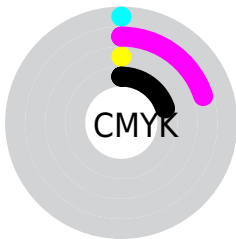
Distribution



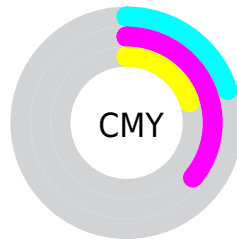
- Red (80%)
- Green (64%)
- Blue (80%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9568, 43.7001, 62.3546 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 48.9568, 43.7001, 62.3546 by changing the saturation by 10% instead.


 48.9568, 43.7001,
62.3546


 48.9568, 43.7001,
62.3546


373.0920,
361.4831, 451.2667

 34.7996, 30.4348,
44.8816


 87.8284, 80.7663,
109.8144

 23.6743, 20.1689,
31.0219


 113.2735,
105.3360, 140.6384

 15.2156, 12.5178,
20.3570


143.2120,
134.4425, 176.7497

 9.0582, 7.0974,
12.4681

178.0091,
168.4704, 218.5671

 4.8366, 3.5231,
6.9369

218.0304,
207.8041, 266.5089

 2.1855, 1.4105,
3.3448

263.6410,

 0.7351, 0.2245,

252.8278, 320.9937

1.2733

315.2065,
303.9260, 382.4402

■ 0.0000, 0.0000,
0.0398

■ 0.0000, 0.0000,
0.0000

■ 48.9568, 43.7001,
62.3546

■ 48.9568, 43.7001,
62.3546

■ 45.5346, 36.9521,
60.9149

■ 52.9674, 51.6232,
63.9925

■ 42.6689, 31.3176,
59.6612

■ 57.5885, 60.7676,
65.8343

■ 40.3311, 26.7384,
58.5844

■ 62.8459, 71.1841,
67.8892

■ 38.4880, 23.1485,
57.6735

■ 68.7625, 82.9190,
70.1648

37.1031, 20.4745,
56.9163

71.7484, 88.7920,
71.4646

36.1345, 18.6329,
56.2988

71.8103, 88.8168,
71.7906

35.5329, 17.5249,
55.8047

71.8724, 88.8417,
72.1178

35.2104, 16.9748,
55.4046

71.9348, 88.8666,
72.4459

35.1993, 16.9564,
55.3894

71.9973, 88.8916,
72.7752

Harmonies

Analogous

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



45.3760, 43.7001, 72.7604



48.9568, 43.7001, 62.3546



50.5472, 43.7001, 49.2093

Triad

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



48.9568, 43.7001, 62.3546



42.1000, 43.7001, 27.2950



34.4071, 43.7001, 59.0762

Complementary

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



48.9568, 43.7001, 62.3546



43.6960, 53.7962, 43.6803

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.



33.6643, 43.7001, 45.9909



48.9568, 43.7001, 62.3546



37.9183, 43.7001, 29.0069

Square

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



48.9568, 43.7001, 62.3546



46.4161, 43.7001, 30.1792



34.9051, 43.7001, 35.3489



37.0099, 43.7001, 70.6454

Rectangle

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



48.9568, 43.7001, 62.3546



50.1877, 43.7001, 41.1517



34.9051, 43.7001, 35.3489



33.9399, 43.7001, 54.6495

Sweetspot

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



48.9581, 43.7020, 62.3555



90.3003, 90.5991, 107.0132



39.6243, 38.8764, 62.5430



19.2222, 19.1828, 22.8629



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.



48.9581, 43.7020, 62.3555



78.2918, 66.8764, 102.1031



46.7608, 42.8231, 50.7847



11.6750, 11.3987, 14.0890



22.1600, 10.6746, 34.8910



1.1471, 0.5523, 1.8207

Inverse Universe

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



48.9581, 43.7020, 62.3555



78.2918, 66.8764, 102.1031



45.6261, 54.5682, 53.8443



11.6750, 11.3987, 14.0890



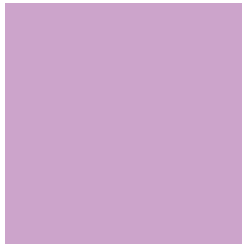
22.1600, 10.6746, 34.8910



1.1471, 0.5523, 1.8207

Previews

White Background



This preview shows how the XYZ color 48.9568, 43.7001, 62.3546 looks on a white background.

Color Contrast Check

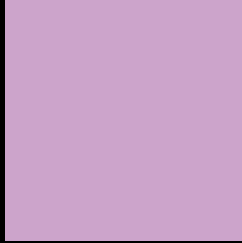
Large Text (above 18pt) WCAG AA × Fail

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 48.9568, 43.7001, 62.3546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

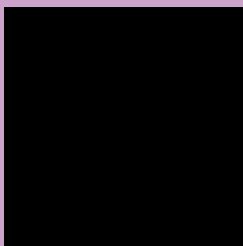
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9568, 43.7001, 62.3546

Background



This preview shows how black text looks on a background with the XYZ color 48.9568, 43.7001, 62.3546.



This preview shows how white text looks on a background with the XYZ color 48.9568, 43.7001,

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

48.9568, 43.7001, 62.3546

Protanopia

43.5404, 43.8591, 67.1436

Deuteranopia

44.5865, 43.6672, 61.3370



Tritanopia

46.4305, 43.7590, 49.7152

Trichromacy



Original Color

48.9568, 43.7001, 62.3546

Protanomaly

45.1168, 43.5759, 65.0646

Deuteranomaly

46.0838, 43.5874, 61.8614

Tritanomaly

47.3611, 43.8681, 54.1153

Monochromacy



Original Color

48.9568, 43.7001, 62.3546

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 48.9568, 43.7001, 62.3546 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(204, 164, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 164, 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(204, 164, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 164, 203) }
```

Border

The CSS property to change the border of an element to XYZ 48.9568, 43.7001, 62.3546 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(204, 164, 203) }
```


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

```
.border{ border-color:rgb(204, 164, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 164, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 164, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 164, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 164,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9568, 43.7001, 62.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 164, 203) }
```

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

```
.background{ background-color: rgb(204,  
164, 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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