

# Converting Colors

XYZ(46.5327, 39.6610, 54.0645)

Have a look what the booklet for  
XYZ(46.5327, 39.6610, 54.0645)  
contains.

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# Color

**XYZ(46.5349, 39.5841,  
53.9030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D098BE
RGB	208, 152, 190
RGB Percent	82%, 60%, 75%
CMY	0.1843, 0.4039, 0.2549
CMYK	0.00, 0.27, 0.09, 0.18
HSL	319°, 37%, 71%
HSV	319°, 27%, 82%
XYZ	46.5349, 39.5841, 53.9030
YIQ	173.0760, 21.1780, 23.6900

# Conversions

## Conversions Part 2

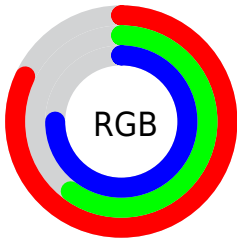
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 152, 190
Decimal	13670590
CIE <sub>Lab</sub>	69.17, 26.96, -11.37
CIE <sub>LCh</sub>	69, 29.256, 337.138
Yxy	39.5841, 0.3323, 0.2827
Android (android.graphics.Color)	4291860670 (0xFFD098BE)
YUV	173.0760, 8.3435, 30.6283
Hunter-Lab	62.9159, 21.9223, -6.7554

# Details

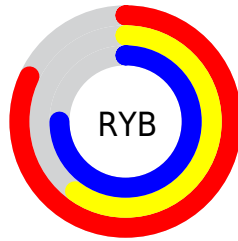
The XYZ color **46.5349, 39.5841, 53.9030** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.7621, 54.6905, 46.3352**, and the grayscale version is **39.7115, 41.7796, 45.4979**.

A 20% lighter version of the original color is **80.1874, 72.5395, 96.9640**, and **22.2094, 17.6928, 25.9114** is the 20% darker color. If you saturate the color by 10%, you get **42.7366, 33.1297, 49.1139**, and if you desaturate by 10%, it is **50.9611, 47.2394, 59.0677**.

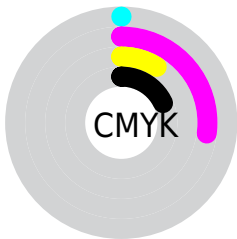
# Distribution



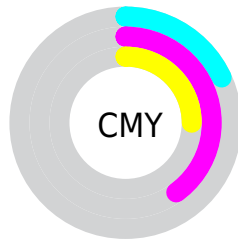
- Red (82%)
- Green (60%)
- Blue (75%)



- Red (82%)
- Yellow (60%)
- Blue (75%)



- Cyan (0%)
- Magenta (27%)
- Yellow (9%)
- Black (18%)




- Cyan (18%)
- Magenta (40%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5349, 39.5841, 53.9030 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 46.5349, 39.5841, 53.9030 by changing the saturation by 10% instead.





 46.5349, 39.5841,  
53.9030


 46.5349, 39.5841,  
53.9030


363.6350,  
344.3675, 418.9042

 32.8745, 27.2144,  
38.1315

 84.2419, 74.5298,  
97.3868

 22.1891, 17.7343,  
25.7821


 109.0193, 97.8746,  
125.9361

 14.1133, 10.7594,  
16.4364


138.2331,  
125.6465, 159.5818

 8.2817, 5.9053,  
9.6758

172.2485,  
158.2300, 198.7423

 4.3291, 2.7876,  
5.0818

211.4311,  
196.0095, 243.8363

 1.8899, 1.0219,  
2.2357

256.1462,

 0.5710, 0.0000,

239.3693, 295.2822

0.6949

306.7590,  
288.6938, 353.4987

0.0000, 0.0000,  
0.0000

46.5349, 39.5841,  
53.9030

46.5349, 39.5841,  
53.9030

42.7366, 33.1297,  
49.1139

50.9611, 47.2394,  
59.0677

39.5312, 27.8090,  
44.6852

56.0407, 56.1477,  
64.6174

36.8858, 23.5559,  
40.6042

61.8022, 66.3647,  
70.5640

34.7626, 20.2958,  
36.8560

68.2712, 77.9409,  
76.9182

33.1189, 17.9440,  
33.4240

75.1503, 90.2811,  
83.5830

■ 31.9049, 16.4016,  
30.2893

■ 76.0722, 90.6498,  
88.4377

■ 31.0551, 15.5382,  
27.4274

■ 77.0302, 91.0330,  
93.4823

■ 30.8307, 15.3372,  
26.5888

■ 78.0245, 91.4308,  
98.7186

■ 79.0557, 91.8432,  
104.1488

# Harmonies

## Analogous

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



43.3192, 39.5841, 67.0696



46.5349, 39.5841, 53.9030



47.2726, 39.5841, 39.9781

# Triad

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



46.5349, 39.5841, 53.9030



36.5169, 39.5841, 22.2601



30.8991, 39.5841, 60.5979

# Complementary

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



46.5349, 39.5841, 53.9030



42.7621, 54.6905, 46.3352

# 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.



29.3858, 39.5841, 46.3810



46.5349, 39.5841, 53.9030



32.4503, 39.5841, 25.6538

# Square

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



46.5349, 39.5841, 53.9030



41.2273, 39.5841, 23.4550



29.9292, 39.5841, 33.8470



34.2361, 39.5841, 71.4603



# Rectangle

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



46.5349, 39.5841, 53.9030



46.2089, 39.5841, 32.3859



29.9292, 39.5841, 33.8470



30.1734, 39.5841, 55.9502

# Sweetspot

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



46.5361, 39.5859, 53.9038



87.8459, 87.2527, 101.3787



39.1351, 35.5290, 64.4702



18.5297, 18.1952, 21.4063



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.



46.5361, 39.5859, 53.9038



70.3711, 56.9451, 81.2427



43.7874, 38.4864, 39.4296



12.1424, 11.9417, 14.0256



19.2610, 9.5773, 16.8127



1.1123, 0.5497, 1.1264



# Inverse Universe

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



46.5361, 39.5859, 53.9038



70.3711, 56.9451, 81.2427



45.6684, 55.8530, 61.6397



12.1424, 11.9417, 14.0256



19.2610, 9.5773, 16.8127



1.1123, 0.5497, 1.1264



# Previews

## White Background



This preview shows how the XYZ color 46.5349, 39.5841, 53.9030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

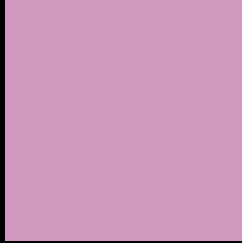
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5349, 39.5841, 53.9030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

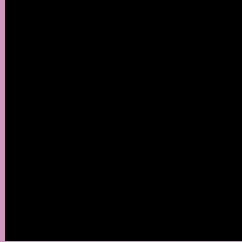
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.5349, 39.5841, 53.9030**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5349, 39.5841, 53.9030.



This preview shows how white text looks on a background with the XYZ color 46.5349, 39.5841,



# 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

46.5349, 39.5841, 53.9030

### Protanopia

39.5322, 39.9619, 60.2734

### Deuteranopia

40.6637, 39.8882, 53.1329



## Tritanopia

44.1332, 39.5832, 42.3600

# Trichromacy



## Original Color

46.5349, 39.5841, 53.9030

## Protanomaly

41.4745, 39.4099, 57.6455

## Deuteranomaly

42.4952, 39.5071, 53.5300

## Tritanomaly

45.0114, 39.6991, 46.3646

# Monochromacy



## Original Color

46.5349, 39.5841, 53.9030

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

41.8415, 40.6040, 48.2799

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5349, 39.5841, 53.9030 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, 152, 190)` looks like.

```
.text, #text, p{  
    color:rgb(208, 152, 190)  
}
```

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, 152, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 152, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5349, 39.5841, 53.9030 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, 152, 190) }
```



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

```
.border{ border-color:rgb(208, 152, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 152, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 152, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 152, 190);  
box-shadow:4px 4px 4px 4px rgb(208, 152,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5349, 39.5841, 53.9030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 152, 190) }
```

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

```
.background{ background-color: rgb(208,  
152, 190) }
```

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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