

# Converting Colors

XYZ(41.9949, 33.9974, 57.3580)

Have a look what the booklet for  
XYZ(41.9949, 33.9974, 57.3580)  
contains.

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# Color

**XYZ(41.9315, 33.9439,  
57.1651)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C48AC5
RGB	196, 138, 197
RGB Percent	77%, 54%, 77%
CMY	0.2314, 0.4588, 0.2274
CMYK	0.01, 0.30, 0.00, 0.23
HSL	299°, 34%, 66%
HSV	299°, 30%, 77%
XYZ	41.9315, 33.9439, 57.1651
YIQ	162.0680, 15.6290, 30.6450

# Conversions

## Conversions Part 2

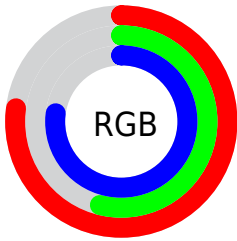
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 138, 197
Decimal	12880581
CIE <sub>Lab</sub>	64.92, 31.85, -21.83
CIE <sub>LCh</sub>	65, 38.610, 325.570
Yxy	33.9439, 0.3152, 0.2551
Android (android.graphics.Color)	4291070661 (0xFFC48AC5)
YUV	162.0680, 17.2215, 29.7584
Hunter-Lab	58.2614, 26.5114, -17.3914

# Details

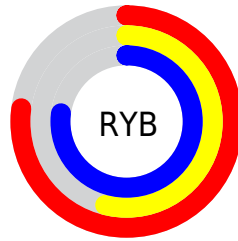
The XYZ color **41.9315, 33.9439, 57.1651** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.2022, 47.2572, 31.3125**, and the grayscale version is **34.2921, 36.0780, 39.2889**.

A 20% lighter version of the original color is **77.2470, 65.7377, 102.3832**, and **19.3506, 14.4623, 27.7582** is the 20% darker color. If you saturate the color by 10%, you get **39.2711, 28.7511, 56.3035**, and if you desaturate by 10%, it is **45.1069, 40.1650, 58.1990**.

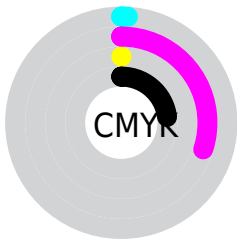
# Distribution



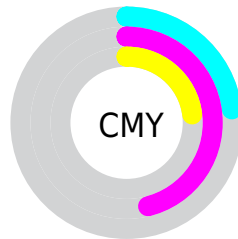
- Red (77%)
- Green (54%)
- Blue (77%)



- Red (77%)
- Yellow (54%)
- Blue (77%)



- Cyan (1%)
- Magenta (30%)
- Yellow (0%)
- Black (23%)




- Cyan (23%)
- Magenta (46%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9315, 33.9439, 57.1651 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 41.9315, 33.9439, 57.1651 by changing the saturation by 10% instead.





 41.9315, 33.9439,  
57.1651

 41.9315, 33.9439,  
57.1651


345.1954,  
319.8818, 431.5787


 29.2385, 22.8505,  
40.7276


 77.3618, 65.8464,  
102.2088

 19.4065, 14.4832,  
27.7882


 100.8298, 87.4243,  
131.6520

 12.0701, 8.4575,  
17.9284


 128.6201,  
113.2659, 166.2675

 6.8640, 4.3890,  
10.7297

161.0983,  
143.7554, 206.4739

 3.4228, 1.8935,  
5.7735

198.6295,  
179.2774, 252.6897

 1.3811, 0.5445,  
2.6413

241.5792,

 0.2427, 0.0000,

220.2162, 305.3334

0.9137

290.3127,  
266.9562, 364.8235

■ 0.0000, 0.0000,  
0.0000

■ 41.9315, 33.9439,  
57.1651

■ 41.9315, 33.9439,  
57.1651

■ 39.2711, 28.7511,  
56.3035

■ 45.1069, 40.1650,  
58.1990

■ 37.0947, 24.5268,  
55.6028

■ 48.8196, 47.4612,  
59.4116

■ 35.3730, 21.2116,  
55.0537

■ 53.0947, 55.8819,  
60.8117

■ 34.0723, 18.7380,  
54.6448

■ 57.9547, 65.4720,  
62.4066

■ 33.1541, 17.0291,  
54.3633

■ 63.4208, 76.2741,  
64.2035

■ 32.5729, 15.9940,  
54.1942

■ 69.1278, 87.5575,  
66.0807

■ 32.2418, 15.4587,  
54.1083

■ 69.2158, 87.6029,  
66.0848

■ 32.2402, 15.4562,  
54.1079

■ 69.3041, 87.6484,  
66.0889

■ 69.3925, 87.6940,  
66.0931

# Harmonies

## Analogous

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



37.1115, 33.9439, 72.1243



41.9315, 33.9439, 57.1651



44.1674, 33.9439, 39.3806

# Triad

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



41.9315, 33.9439, 57.1651



33.0974, 33.9439, 14.0306



23.5306, 33.9439, 51.8480

# Complementary

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



41.9315, 33.9439, 57.1651



35.2022, 47.2572, 31.3125

# 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.



22.7159, 33.9439, 34.6391



41.9315, 33.9439, 57.1651



27.8557, 33.9439, 15.6143

# Square

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



41.9315, 33.9439, 57.1651



38.7077, 33.9439, 16.9873



24.2076, 33.9439, 22.1827



26.5759, 33.9439, 68.4856



# Rectangle

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



41.9315, 33.9439, 57.1651



43.7236, 33.9439, 29.3196



24.2076, 33.9439, 22.1827



23.0029, 33.9439, 45.8222

# Sweetspot

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



41.9326, 33.9454, 57.1658



88.0178, 86.1477, 106.5969



29.9339, 28.1825, 56.6859



18.6132, 17.9941, 22.7421



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.



41.9326, 33.9454, 57.1658



71.8530, 54.4518, 101.3309



39.3208, 32.9308, 42.0512



11.0647, 10.8071, 13.4203



21.2133, 10.1701, 35.5893



1.0102, 0.4845, 1.6854



# Inverse Universe

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



36.7757, 31.9128, 28.6489



61.1420, 50.2332, 41.9538



37.2888, 48.0727, 43.1672



10.6410, 10.6398, 11.0930



15.1604, 7.8137, 0.7885



0.7204, 0.3710, 0.0510



# Previews

## White Background



This preview shows how the XYZ color 41.9315, 33.9439, 57.1651 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

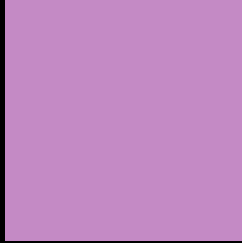
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.9315, 33.9439, 57.1651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

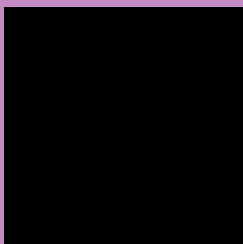
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 41.9315, 33.9439, 57.1651

## Background



This preview shows how black text looks on a background with the XYZ color 41.9315, 33.9439, 57.1651.



This preview shows how white text looks on a background with the XYZ color 41.9315, 33.9439,



# 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

41.9315, 33.9439, 57.1651

### Protanopia

34.8490, 34.2697, 65.7507

### Deuteranopia

34.9765, 34.3063, 55.8173



## Tritanopia

37.8505, 34.0685, 36.4792

# Trichromacy



## Original Color

41.9315, 33.9439, 57.1651

## Protanomaly

36.6672, 33.5841, 62.3074

## Deuteranomaly

37.1753, 33.9811, 56.2294

## Tritanomaly

39.2612, 33.9609, 43.5156

# Monochromacy



## Original Color

41.9315, 33.9439, 57.1651

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

36.5847, 34.8763, 45.3610

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9315, 33.9439, 57.1651 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(196, 138, 197)` looks like.

```
.text, #text, p{  
    color:rgb(196, 138, 197)  
}
```

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(196, 138, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 138, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9315, 33.9439, 57.1651 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(196, 138, 197) }
```



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

```
.border{ border-color:rgb(196, 138, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 138, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 138, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 138, 197);  
box-shadow:4px 4px 4px 4px rgb(196, 138,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9315, 33.9439, 57.1651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 138, 197) }
```

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

```
.background{ background-color: rgb(196,  
138, 197) }
```

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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