

# Converting Colors

XYZ(39.6802, 36.6490, 46.2776)

Have a look what the booklet for  
XYZ(39.6802, 36.6490, 46.2776)  
contains.

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# Color

**XYZ(39.6418, 36.6849,  
46.0658)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA9AB0
RGB	186, 154, 176
RGB Percent	73%, 60%, 69%
CMY	0.2706, 0.3961, 0.3098
CMYK	0.00, 0.17, 0.05, 0.27
HSL	319°, 19%, 67%
HSV	319°, 17%, 73%
XYZ	39.6418, 36.6849, 46.0658
YIQ	166.0760, 12.0100, 13.6260

# Conversions

## Conversions Part 2

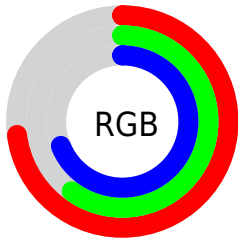
Format	Color
R <sub>Y</sub> B	186, 154, 176
Decimal	12229296
CIE Lab	67.04, 15.64, -6.97
CIE LCh	67, 17.124, 335.982
Yxy	36.6849, 0.3239, 0.2997
Android (android.graphics.Color)	4290419376 (0xFFBA9AB0)
YUV	166.0760, 4.8925, 17.4733
Hunter-Lab	60.5681, 10.8342, -2.6961

# Details

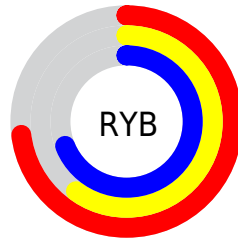
The XYZ color **39.6418, 36.6849, 46.0658** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **37.5877, 44.6693, 41.7651**, and the grayscale version is **36.2562, 38.1443, 41.5391**.

A 20% lighter version of the original color is **73.9839, 70.3044, 86.0147**, and **18.1612, 16.1423, 21.2274** is the 20% darker color. If you saturate the color by 10%, you get **36.2439, 30.7896, 42.1561**, and if you desaturate by 10%, it is **43.5421, 43.5446, 50.2654**.

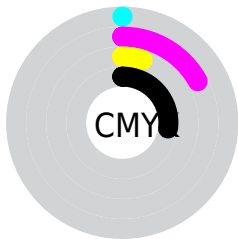
# Distribution



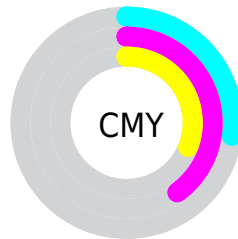
- Red (73%)
- Green (60%)
- Blue (69%)



- Red (73%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (17%)
- Yellow (5%)
- Black (27%)



- Cyan (27%)
- Magenta (40%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6418, 36.6849, 46.0658 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 39.6418, 36.6849, 46.0658 by changing the saturation by 10% instead.





 39.6418, 36.6849,  
46.0658


 39.6418, 36.6849,  
46.0658


335.7719,  
331.9443, 387.3584

 27.4423, 24.9636,  
31.9487


 73.9056, 70.0879,  
85.6528

 18.0440, 16.0500,  
21.0578


 96.7006, 92.5384,  
111.9598

 11.0815, 9.5595,  
12.9746


123.7581,  
119.3341, 143.1671

 6.1894, 5.1079,  
7.2806

155.4436,  
150.8594, 179.6934

 3.0023, 2.3107,  
3.5571

192.1224,  
187.4986, 221.9571

 1.1550, 0.7794,  
1.3856

234.1598,

 0.0704, 0.0000,

229.6363, 270.3768

0.1305

281.9212,  
277.6567, 325.3711

■ 0.0000, 0.0000,  
0.0000

■ 39.6418, 36.6849,  
46.0658

■ 39.6418, 36.6849,  
46.0658

■ 36.2439, 30.7896,  
42.1561

■ 43.5421, 43.5446,  
50.2654

■ 33.3232, 25.8101,  
38.5250

■ 47.9624, 51.4049,  
54.7609

■ 30.8568, 21.7008,  
35.1639

■ 52.9233, 60.3060,  
59.5611

■ 28.8187, 18.4103,  
32.0626

■ 58.4432, 70.2844,  
64.6735

■ 27.1803, 15.8817,  
29.2098

■ 64.5398, 81.3748,  
70.1054

■ 25.9091, 14.0507,  
26.5932

■ 67.7529, 86.6564,  
74.7049

■ 24.9675, 12.8424,  
24.1985

■ 68.4946, 86.9531,  
78.6105

■ 24.3019, 12.1504,  
22.0062

■ 69.2629, 87.2604,  
82.6564

■ 24.1376, 11.9943,  
21.4197

■ 70.0581, 87.5785,  
86.8440

# Harmonies

## Analogous

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



37.8917, 36.6849, 52.7002



39.6418, 36.6849, 46.0658



40.0857, 36.6849, 38.4684

# Triad

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



39.6418, 36.6849, 46.0658



34.3489, 36.6849, 27.3175



30.9730, 36.6849, 48.9702

# Complementary

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



39.6418, 36.6849, 46.0658



37.5877, 44.6693, 41.7651

# 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.



30.1237, 36.6849, 41.4561



39.6418, 36.6849, 46.0658



32.0094, 36.6849, 29.4320

# Square

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



39.6418, 36.6849, 46.0658



36.9447, 36.6849, 28.2302



30.4935, 36.6849, 34.3894



32.8704, 36.6849, 54.5176



# Rectangle

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



39.6418, 36.6849, 46.0658



39.5628, 36.6849, 33.9879



30.4935, 36.6849, 34.3894



30.5599, 36.6849, 46.5574

# Sweetspot

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



39.6429, 36.6865, 46.0666



80.5399, 81.7921, 92.7896



35.6475, 34.5082, 51.2370



17.6164, 17.7997, 20.3098



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.6429, 36.6865, 46.0666



69.1927, 61.8582, 80.4968



38.1869, 36.1041, 38.3993



9.2582, 9.1137, 10.7071



16.2738, 8.0833, 14.5944



0.6002, 0.2956, 0.6543



# Inverse Universe

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



39.6429, 36.6865, 46.0666



69.1927, 61.8582, 80.4968



39.0841, 45.2678, 49.6453



9.2582, 9.1137, 10.7071



16.2738, 8.0833, 14.5944



0.6002, 0.2956, 0.6543



# Previews

## White Background



This preview shows how the XYZ color 39.6418, 36.6849, 46.0658 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

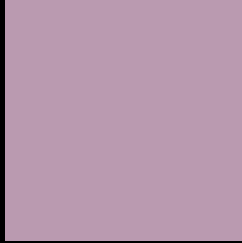
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.6418, 36.6849, 46.0658 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 39.6418, 36.6849, 46.0658**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6418, 36.6849, 46.0658.



This preview shows how white text looks on a background with the XYZ color 39.6418, 36.6849,



# 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

39.6418, 36.6849, 46.0658

### Protanopia

35.9588, 36.7539, 48.9150

### Deuteranopia

37.5916, 36.8901, 45.6967



## Tritanopia

38.7968, 36.5841, 42.0624

# Trichromacy



## Original Color

39.6418, 36.6849, 46.0658

## Protanomaly

37.1124, 36.5970, 47.7557

## Deuteranomaly

38.1549, 36.6741, 45.6253

## Tritanomaly

39.0796, 36.6973, 43.5516

# Monochromacy



## Original Color

39.6418, 36.6849, 46.0658

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

37.4096, 37.6272, 43.3213

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6418, 36.6849, 46.0658 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(186, 154, 176)` looks like.

```
.text, #text, p{  
    color:rgb(186, 154, 176)  
}
```

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(186, 154, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 154, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6418, 36.6849, 46.0658 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(186, 154, 176) }
```



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

```
.border{ border-color:rgb(186, 154, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 154, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 154, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 154, 176);  
box-shadow:4px 4px 4px 4px rgb(186, 154,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6418, 36.6849, 46.0658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 154, 176) }
```

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

```
.background{ background-color: rgb(186,  
154, 176) }
```

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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