

# Converting Colors

XYZ(40.1431, 37.6876, 46.2330)

Have a look what the booklet for  
XYZ(40.1431, 37.6876, 46.2330)  
contains.

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# Color

**XYZ(40.1431, 37.6876,  
46.2330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA9DB0
RGB	186, 157, 176
RGB Percent	73%, 62%, 69%
CMY	0.2706, 0.3843, 0.3098
CMYK	0.00, 0.16, 0.05, 0.27
HSL	321°, 17%, 67%
HSV	321°, 16%, 73%
XYZ	40.1431, 37.6876, 46.2330
YIQ	167.8370, 11.1850, 12.0570

# Conversions

## Conversions Part 2

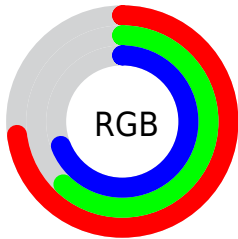
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 157, 176
Decimal	12230064
CIELab	67.79, 13.98, -5.86
CIElCh	68, 15.156, 337.260
Yxy	37.6876, 0.3236, 0.3038
Android (android.graphics.Color)	4290420144 (0xFFBA9DB0)
YUV	167.8370, 4.0244, 15.9290
Hunter-Lab	61.3902, 9.2883, -1.6782

# Details

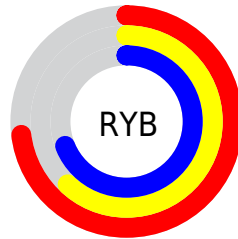
The XYZ color **40.1431, 37.6876, 46.2330** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.4400, 45.0769, 43.2359**, and the grayscale version is **37.1174, 39.0504, 42.5259**.

A 20% lighter version of the original color is **74.7269, 71.7904, 86.2623**, and **18.4650, 16.7498, 21.3286** is the 20% darker color. If you saturate the color by 10%, you get **36.6131, 31.6191, 41.9989**, and if you desaturate by 10%, it is **44.1843, 44.7296, 50.7864**.

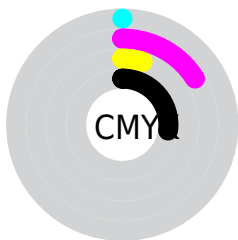
# Distribution



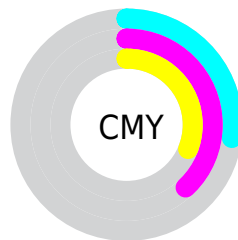
- Red (73%)
- Green (62%)
- Blue (69%)



- Red (73%)
- Yellow (62%)
- Blue (69%)



- Cyan (0%)
- Magenta (16%)
- Yellow (5%)
- Black (27%)




- Cyan (27%)
- Magenta (38%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1431, 37.6876, 46.2330 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 40.1431, 37.6876, 46.2330 by changing the saturation by 10% instead.





 40.1431, 37.6876,  
46.2330


 40.1431, 37.6876,  
46.2330

337.8504,  
336.2780, 388.0494

 27.8348, 25.7403,  
32.0797


 74.6643, 71.6291,  
85.9055

 18.3410, 16.6295,  
21.1571


 97.6080, 94.3920,  
112.2619

 11.2963, 9.9707,  
13.0465


124.8275,  
121.5290, 143.5231

 6.3352, 5.3795,  
7.3295

156.6883,  
153.4244, 180.1075

 3.0926, 2.4716,  
3.5874

193.5556,  
190.4626, 222.4338

 1.2029, 0.8624,  
1.4019

235.7948,

 0.1087, 0.0000,

233.0280, 270.9206

0.1432

283.7713,  
281.5050, 325.9862

■ 0.0000, 0.0000,  
0.0000

■ 40.1431, 37.6876,  
46.2330

■ 40.1431, 37.6876,  
46.2330

■ 36.6131, 31.6191,  
41.9989

■ 44.1843, 44.7296,  
50.7864

■ 33.5692, 26.4756,  
38.0723

■ 48.7541, 52.7806,  
55.6655

■ 30.9886, 22.2123,  
34.4441

■ 53.8730, 61.8807,  
60.8795

■ 28.8457, 18.7784,  
31.1036

■ 59.5595, 72.0660,  
66.4365

■ 27.1121, 16.1179,  
28.0392

■ 65.8312, 83.3711,  
72.3443

■ 25.7561, 14.1679,  
25.2381

■ 68.2099, 86.8392,  
77.1119

■ 24.7409, 12.8555,  
22.6857

■ 69.0480, 87.1744,  
81.5253

■ 24.0206, 12.0899,  
20.3645

■ 69.9188, 87.5228,  
86.1107

■ 23.7539, 11.8408,  
19.3994

■ 70.8225, 87.8843,  
90.8699

# Harmonies

## Analogous

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



38.6212, 37.6876, 52.1968



40.1431, 37.6876, 46.2330



40.4832, 37.6876, 39.4248

# Triad

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



40.1431, 37.6876, 46.2330



35.2541, 37.6876, 29.5107



32.3503, 37.6876, 49.3619

# Complementary

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



40.1431, 37.6876, 46.2330



38.4400, 45.0769, 43.2359

# 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.



31.5311, 37.6876, 42.6893



40.1431, 37.6876, 46.2330



33.1594, 37.6876, 31.5905

# Square

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



40.1431, 37.6876, 46.2330



37.5926, 37.6876, 30.2393



31.8207, 37.6876, 36.2427



34.1059, 37.6876, 54.1365



# Rectangle

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



40.1431, 37.6876, 46.2330



39.9811, 37.6876, 35.3995



31.8207, 37.6876, 36.2427



31.9598, 37.6876, 47.2398

# Sweetspot

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



40.1442, 37.6893, 46.2338



80.4822, 81.7690, 92.4862



36.7874, 35.8402, 51.4338



17.6020, 17.7939, 20.2340



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.



40.1442, 37.6893, 46.2338



70.2732, 64.0135, 80.8751



38.8147, 37.1575, 39.2329



9.2458, 9.1087, 10.6417



16.0170, 7.9806, 13.2424



0.5925, 0.2925, 0.6138



# Inverse Universe

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



40.1442, 37.6893, 46.2338



70.2732, 64.0135, 80.8751



39.8223, 45.6298, 50.5151



9.2458, 9.1087, 10.6417



16.0170, 7.9806, 13.2424

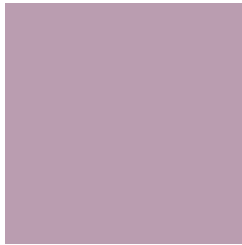


0.5925, 0.2925, 0.6138



# Previews

## White Background



This preview shows how the XYZ color 40.1431, 37.6876, 46.2330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

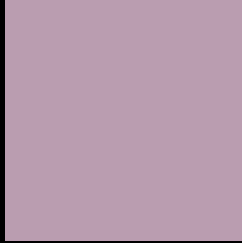
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1431, 37.6876, 46.2330 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 40.1431, 37.6876, 46.2330**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1431, 37.6876, 46.2330.



This preview shows how white text looks on a background with the XYZ color 40.1431, 37.6876,



# 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

40.1431, 37.6876, 46.2330

### Protanopia

36.8235, 37.7387, 48.5235

### Deuteranopia

38.4401, 37.5839, 45.7858



## Tritanopia

39.4901, 37.6703, 43.2199

# Trichromacy



## Original Color

40.1431, 37.6876, 46.2330

## Protanomaly

37.8948, 37.5151, 47.8917

## Deuteranomaly

38.9584, 37.5947, 45.7606

## Tritanomaly

39.6808, 37.7466, 44.2241

# Monochromacy



## Original Color

40.1431, 37.6876, 46.2330

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

38.3053, 38.6052, 43.9607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1431, 37.6876, 46.2330 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, 157, 176)` looks like.

```
.text, #text, p{  
    color:rgb(186, 157, 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, 157, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 157, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1431, 37.6876, 46.2330 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, 157, 176) }
```



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

```
.border{ border-color:rgb(186, 157, 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, 157, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 157, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 157, 176);  
box-shadow:4px 4px 4px 4px rgb(186, 157,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1431, 37.6876, 46.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 157, 176) }
```

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

```
.background{ background-color: rgb(186,  
157, 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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