

# Converting Colors

XYZ(40.1111, 37.7599, 42.2201)

Have a look what the booklet for  
XYZ(40.1111, 37.7599, 42.2201)  
contains.

<b>XYZ(40.1111, 37.7599, 42.2201)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(40.1111, 37.7599,  
42.2201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD9DA8
RGB	189, 157, 168
RGB Percent	74%, 62%, 66%
CMY	0.2588, 0.3843, 0.3412
CMYK	0.00, 0.17, 0.11, 0.26
HSL	339°, 20%, 68%
HSV	339°, 17%, 74%
XYZ	40.1111, 37.7599, 42.2201
YIQ	167.8220, 15.5410, 10.2050

# Conversions

## Conversions Part 2

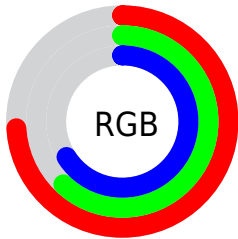
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 157, 168
Decimal	12426664
CIELab	67.84, 13.65, -1.28
CIELCh	68, 13.708, 354.622
Yxy	37.7599, 0.3340, 0.3144
Android (android.graphics.Color)	4290616744 (0xFFBD9DA8)
YUV	167.8220, 0.0878, 18.5731
Hunter-Lab	61.4491, 8.9806, 2.2777

# Details

The XYZ color **40.1111, 37.7599, 42.2201** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.1396, 46.7786, 49.0353**, and the grayscale version is **37.1273, 39.0608, 42.5372**.

A 20% lighter version of the original color is **74.5190, 71.8272, 79.7485**, and **18.2981, 16.7199, 18.7858** is the 20% darker color. If you saturate the color by 10%, you get **36.0566, 31.4125, 35.4366**, and if you desaturate by 10%, it is **44.7727, 45.1440, 49.7508**.

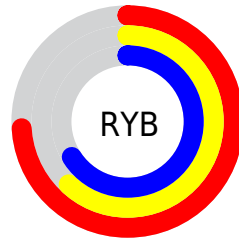
# Distribution



Red (74%)

Green (62%)

Blue (66%)



Red (74%)

Yellow (62%)

Blue (66%)

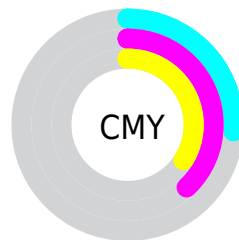


Cyan (0%)

Magenta (17%)

Yellow (11%)

Black (26%)



Cyan (26%)

Magenta (38%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1111, 37.7599, 42.2201 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 40.1111, 37.7599, 42.2201 by changing the saturation by 10% instead.





 40.1111, 37.7599,  
42.2201


 40.1111, 37.7599,  
42.2201


337.7180,  
336.5889, 371.2211

 27.8098, 25.7964,  
28.9468


 74.6159, 71.7400,  
79.8063

 18.3220, 16.6714,  
18.7954


 97.5501, 94.5253,  
104.9563

 11.2825, 10.0005,  
11.3472


124.7594,  
121.6868, 134.9023

 6.3259, 5.3993,  
6.1838

156.6089,  
153.6087, 170.0628

 3.0868, 2.4834,  
2.8866

193.4642,  
190.6754, 210.8564

 1.1998, 0.8683,  
1.0370

235.6906,

 0.1062, 0.0000,

233.2715, 257.7017

0.0000

283.6534,  
281.7812, 311.0170

■ 0.0000, 0.0000,  
0.0000

■ 40.1111, 37.7599,  
42.2201

■ 40.1111, 37.7599,  
42.2201

■ 36.0566, 31.4125,  
35.4366

■ 44.7727, 45.1440,  
49.7508

■ 32.5801, 26.0503,  
29.3741

■ 50.0623, 53.6034,  
58.0489

■ 29.6552, 21.6247,  
24.0084

■ 56.0037, 63.1809,  
67.1368

■ 27.2519, 18.0812,  
19.3129

■ 62.6187, 73.9153,  
77.0352

■ 25.3370, 15.3594,  
15.2592

■ 69.9278, 85.8436,  
87.7639

■ 23.8738, 13.3915,  
11.8164

■ 72.8378, 88.7754,  
97.6380

■ 22.8194, 12.0982,  
8.9505

■ 74.7694, 89.5481,  
107.8099

■ 22.1164, 11.3717,  
6.6214

■ 74.7964, 89.5589,  
107.9521

■ 21.9393, 11.2001,  
5.9999

# Harmonies

## Analogous

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



39.3235, 37.7599, 48.2644



40.1111, 37.7599, 42.2201



39.7318, 37.7599, 36.4311

# Triad

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



40.1111, 37.7599, 42.2201



34.2149, 37.7599, 31.3717



33.5767, 37.7599, 51.4069

# Complementary

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



40.1111, 37.7599, 42.2201



40.1396, 46.7786, 49.0353

# 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.



32.3036, 37.7599, 46.1821



40.1111, 37.7599, 42.2201



32.6617, 37.7599, 34.7074

# Square

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



40.1111, 37.7599, 42.2201



36.2738, 37.7599, 30.5342



31.9753, 37.7599, 40.0276



35.5082, 37.7599, 53.8927



# Rectangle

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



40.1111, 37.7599, 42.2201



38.8756, 37.7599, 33.4335



31.9753, 37.7599, 40.0276



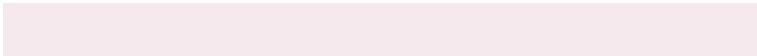
33.0606, 37.7599, 49.8892

# Sweetspot

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



40.1122, 37.7616, 42.2209



81.8529, 83.5063, 91.7464



39.5578, 37.2312, 53.2459



17.4650, 17.7391, 19.5125



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.



40.1122, 37.7616, 42.2209



69.2583, 63.5714, 71.3494



39.9585, 39.0250, 37.3269



9.6619, 9.5890, 10.6084



14.7940, 7.5488, 4.2089



0.6107, 0.3082, 0.3294



# Inverse Universe

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



40.1122, 37.7616, 42.2209



69.2583, 63.5714, 71.3494



40.2732, 45.2074, 54.7478



9.6619, 9.5890, 10.6084



14.7940, 7.5488, 4.2089



0.6107, 0.3082, 0.3294



# Previews

## White Background



This preview shows how the XYZ color 40.1111, 37.7599, 42.2201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

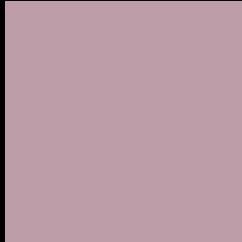
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1111, 37.7599, 42.2201 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 40.1111, 37.7599, 42.2201

## Background



This preview shows how black text looks on a background with the XYZ color 40.1111, 37.7599, 42.2201.



This preview shows how white text looks on a background with the XYZ color 40.1111, 37.7599,



# 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

40.1111, 37.7599, 42.2201

### Protanopia

36.6274, 37.9958, 44.4332

### Deuteranopia

38.3682, 37.6349, 41.8013



## Tritanopia

40.2047, 37.7973, 42.7127

# Trichromacy



## Original Color

40.1111, 37.7599, 42.2201

## Protanomaly

37.7266, 37.7796, 43.8319

## Deuteranomaly

38.9016, 37.6536, 41.7767

## Tritanomaly

40.2047, 37.7973, 42.7127

# Monochromacy



## Original Color

40.1111, 37.7599, 42.2201

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

38.2478, 38.6082, 42.4820

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1111, 37.7599, 42.2201 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(189, 157, 168)` looks like.

```
.text, #text, p{  
    color:rgb(189, 157, 168)  
}
```

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(189, 157, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 157, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1111, 37.7599, 42.2201 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".

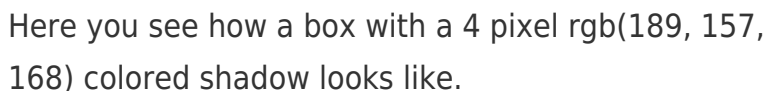
```
.border, #border, table{ border:4px solid rgb(189, 157, 168) }
```



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

```
.border{ border-color:rgb(189, 157, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 157, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 157, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 157, 168); box-shadow:4px 4px 4px 4px rgb(189, 157, 168) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1111, 37.7599, 42.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 157, 168) }
```

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

```
.background{ background-color: rgb(189,  
157, 168) }
```

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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