

# Converting Colors

XYZ(42.9916, 38.3490, 40.3706)

Have a look what the booklet for  
XYZ(42.9916, 38.3490, 40.3706)  
contains.

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# Color

**XYZ(42.9939, 38.3002,  
40.2486)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC99A4
RGB	204, 153, 164
RGB Percent	80%, 60%, 64%
CMY	0.2000, 0.4000, 0.3569
CMYK	0.00, 0.25, 0.20, 0.20
HSL	347°, 33%, 70%
HSV	347°, 25%, 80%
XYZ	42.9939, 38.3002, 40.2486
YIQ	169.5030, 26.8650, 14.2330

# Conversions

## Conversions Part 2

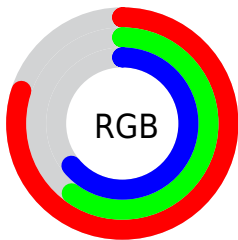
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 153, 164
Decimal	13408676
CIE <sub>Lab</sub>	68.24, 20.71, 1.71
CIE <sub>LCh</sub>	68, 20.780, 4.714
Yxy	38.3002, 0.3537, 0.3151
Android (android.graphics.Color)	4291598756 (0xFFCC99A4)
YUV	169.5030, -2.7130, 30.2539
Hunter-Lab	61.8872, 15.7040, 4.7615

# Details

The XYZ color **42.9939, 38.3002, 40.2486** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.3570, 53.8092, 58.5031**, and the grayscale version is **37.9659, 39.9431, 43.4980**.

A 20% lighter version of the original color is **76.5821, 71.4862, 76.7797**, and **20.0704, 17.0622, 17.5647** is the 20% darker color. If you saturate the color by 10%, you get **38.5808, 31.6427, 32.0911**, and if you desaturate by 10%, it is **48.1618, 46.1756, 49.5556**.

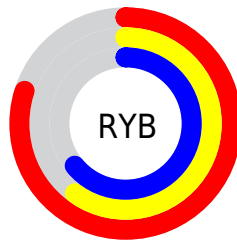
# Distribution



Red (80%)

Green (60%)

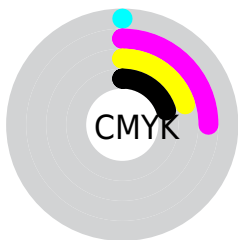
Blue (64%)



Red (80%)

Yellow (60%)

Blue (64%)

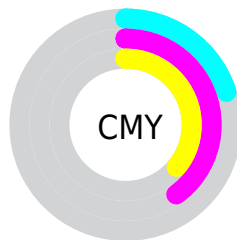


Cyan (0%)

Magenta (25%)

Yellow (20%)

Black (20%)



Cyan (20%)

Magenta (40%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9939, 38.3002, 40.2486 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 42.9939, 38.3002, 40.2486 by changing the saturation by 10% instead.





 42.9939, 38.3002,  
40.2486

 42.9939, 38.3002,  
40.2486


349.5086,  
338.9060, 362.7535

 30.0748, 26.2158,  
27.4172


 78.9574, 72.5680,  
76.7831

 20.0437, 16.9851,  
17.6516


 102.7326, 95.5202,  
101.3233

 12.5353, 10.2239,  
10.5333


130.8572,  
122.8638, 130.6035

 7.1841, 5.5477,  
5.6437

163.6965,  
154.9831, 165.0423

 3.6249, 2.5720,  
2.5644

201.6160,  
192.2626, 205.0581

 1.4922, 0.9126,  
0.8740

244.9809,

 0.3205, 0.0000,

235.0867, 251.0696

0.0000

294.1567,  
283.8397, 303.4952

0.0000, 0.0000,  
0.0000

42.9939, 38.3002,  
40.2486

42.9939, 38.3002,  
40.2486

38.5808, 31.6427,  
32.0911

48.1618, 46.1756,  
49.5556

34.8835, 26.1370,  
25.0356

54.1146, 55.3201,  
60.0524

31.8645, 21.7189,  
19.0349

60.8848, 65.7883,  
71.7800

29.4811, 18.3156,  
14.0370

68.5019, 77.6301,  
84.7769

27.6860, 15.8455,  
9.9857

76.9922, 90.8895,  
99.0794

■ 26.4249, 14.2142,  
6.8186

■ 78.7120, 91.5774,  
108.1354

■ 25.6324, 13.3068,  
4.4654

■ 25.3563, 13.0192,  
3.5582

# Harmonies

## Analogous

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



42.3517, 38.3002, 49.8244



42.9939, 38.3002, 40.2486



41.7860, 38.3002, 32.3171

# Triad

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



42.9939, 38.3002, 40.2486



32.9587, 38.3002, 28.6518



33.7984, 38.3002, 60.0705

# Complementary

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



42.9939, 38.3002, 40.2486



44.3570, 53.8092, 58.5031

# 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.



31.5037, 38.3002, 52.7487



42.9939, 38.3002, 40.2486



31.0395, 38.3002, 34.5148

# Square

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



42.9939, 38.3002, 40.2486



35.8920, 38.3002, 26.2865



30.5230, 38.3002, 43.1908



36.9193, 38.3002, 62.2054



# Rectangle

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



42.9939, 38.3002, 40.2486



40.1341, 38.3002, 28.7316



30.5230, 38.3002, 43.1908



32.9110, 38.3002, 58.0858

# Sweetspot

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



42.9950, 38.3020, 40.2494



87.4447, 88.2661, 95.6465



44.2712, 38.4749, 62.2201



18.5832, 18.6871, 20.2379



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.



42.9950, 38.3020, 40.2494



67.1099, 57.2401, 59.1384



44.5542, 42.9415, 36.0795



11.3097, 11.2526, 12.1654



15.9880, 8.2058, 2.3895



0.8538, 0.4349, 0.2758



# Inverse Universe

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



42.9950, 38.3020, 40.2494



67.1099, 57.2401, 59.1384



42.3535, 47.7655, 64.1144



11.3097, 11.2526, 12.1654



15.9880, 8.2058, 2.3895

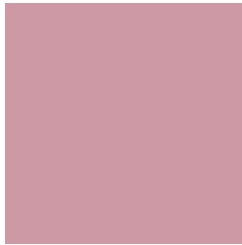


0.8538, 0.4349, 0.2758



# Previews

## White Background



This preview shows how the XYZ color 42.9939, 38.3002, 40.2486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

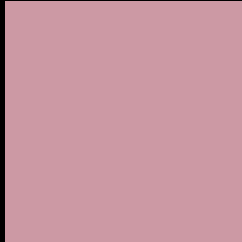
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.9939, 38.3002, 40.2486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

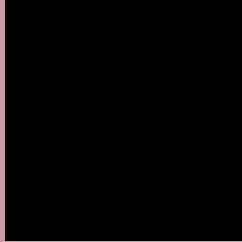
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.9939, 38.3002, 40.2486**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9939, 38.3002, 40.2486.



This preview shows how white text looks on a background with the XYZ color 42.9939, 38.3002,



# 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

42.9939, 38.3002, 40.2486

### Protanopia

37.1354, 38.5375, 44.0093

### Deuteranopia

39.0336, 38.2887, 39.5156



## Tritanopia

43.0846, 38.3364, 40.7262

# Trichromacy



## Original Color

42.9939, 38.3002, 40.2486

## Protanomaly

38.8688, 38.1406, 42.3591

## Deuteranomaly

40.3236, 38.1744, 39.8935

## Tritanomaly

43.0846, 38.3364, 40.7262

# Monochromacy



## Original Color

42.9939, 38.3002, 40.2486

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

39.6347, 39.3232, 42.5469

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9939, 38.3002, 40.2486 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(204, 153, 164)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 164)  
}
```

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(204, 153, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9939, 38.3002, 40.2486 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(204, 153, 164) }
```



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

```
.border{ border-color:rgb(204, 153, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 164);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9939, 38.3002, 40.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 164) }
```

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

```
.background{ background-color: rgb(204,  
153, 164) }
```

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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