

# Converting Colors

XYZ(44.9869, 42.4018, 40.5574)

Have a look what the booklet for  
XYZ(44.9869, 42.4018, 40.5574)  
contains.

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# Color

**XYZ(44.9678, 42.3920,  
40.4627)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCA5A3
RGB	204, 165, 163
RGB Percent	80%, 65%, 64%
CMY	0.2000, 0.3529, 0.3608
CMYK	0.00, 0.19, 0.20, 0.20
HSL	3°, 29%, 72%
HSV	3°, 20%, 80%
XYZ	44.9678, 42.3920, 40.4627
YIQ	176.4330, 23.8860, 7.6460

# Conversions

## Conversions Part 2

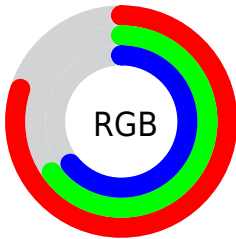
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 165, 163
Decimal	13411747
CIE <sub>Lab</sub>	71.14, 14.00, 6.45
CIE <sub>LCh</sub>	71, 15.415, 24.743
Yxy	42.3920, 0.3518, 0.3316
Android (android.graphics.Color)	4291601827 (0xFFCCA5A3)
YUV	176.4330, -6.6225, 24.1763
Hunter-Lab	65.1091, 9.3405, 8.7301

# Details

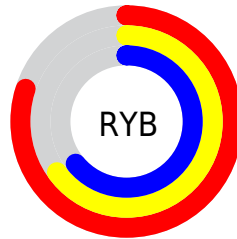
The XYZ color **44.9678, 42.3920, 40.4627** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.1233, 54.3856, 65.1408**, and the grayscale version is **41.5186, 43.6808, 47.5684**.

A 20% lighter version of the original color is **79.4881, 77.5084, 77.1008**, and **21.1688, 19.3475, 17.6577** is the 20% darker color. If you saturate the color by 10%, you get **40.0474, 35.2439, 30.5205**, and if you desaturate by 10%, it is **50.7164, 50.7238, 52.1366**.

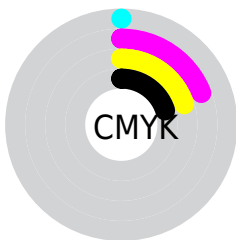
# Distribution



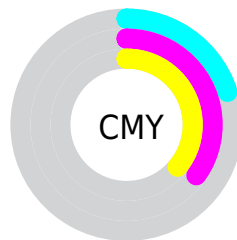
- Red (80%)
- Green (65%)
- Blue (64%)



- Red (80%)
- Yellow (65%)
- Blue (64%)



- Cyan (0%)
- Magenta (19%)
- Yellow (20%)
- Black (20%)




- Cyan (20%)
- Magenta (35%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9678, 42.3920, 40.4627 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 44.9678, 42.3920, 40.4627 by changing the saturation by 10% instead.





 44.9678, 42.3920,  
40.4627


 44.9678, 42.3920,  
40.4627


357.4290,  
356.1054, 363.6799

 31.6332, 29.4084,  
27.5830

 81.9095, 78.7926,  
77.1124

 21.2357, 19.3900,  
17.7752


 106.2472,  
102.9783, 101.7194

 13.4098, 11.9524,  
10.6210


134.9835,  
131.6668, 131.0725

 7.7903, 6.7113,  
5.7016

168.4836,  
165.2425, 165.5904

 4.0117, 3.2822,  
2.5987

207.1128,  
204.0898, 205.6916

 1.7088, 1.2808,  
0.8918

251.2365,

 0.4618, 0.1262,

248.5932, 251.7945

0.0000

301.2202,  
299.1369, 304.3177

0.0000, 0.0000,  
0.0000

44.9678, 42.3920,  
40.4627

44.9678, 42.3920,  
40.4627

40.0474, 35.2439,  
30.5205

50.7164, 50.7238,  
52.1366

35.9136, 29.2203,  
22.2250

57.3251, 60.2834,  
65.6163

32.5269, 24.2658,  
15.4881

64.8286, 71.1198,  
80.9748

29.8424, 20.3178,  
10.2125

73.2585, 83.2776,  
98.2804

27.8108, 17.3075,  
6.2899

78.7119, 91.5774,  
108.1354

■ 26.3764, 15.1571,  
3.5969

■ 25.4739, 13.7765,  
1.9877

■ 25.0102, 13.0539,  
1.2015

# Harmonies

## Analogous

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



45.4370, 42.3920, 47.4716



44.9678, 42.3920, 40.4627



43.2243, 42.3920, 35.5009

# Triad

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



44.9678, 42.3920, 40.4627



36.3756, 42.3920, 38.4326



39.8395, 42.3920, 61.8004

# Complementary

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



44.9678, 42.3920, 40.4627



47.1233, 54.3856, 65.1408

# 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.



37.4960, 42.3920, 58.7585



44.9678, 42.3920, 40.4627



35.5514, 42.3920, 44.8682

# Square

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



44.9678, 42.3920, 40.4627



38.2514, 42.3920, 34.4194



35.9527, 42.3920, 52.3634



42.4046, 42.3920, 60.3007



# Rectangle

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



44.9678, 42.3920, 40.4627



41.6119, 42.3920, 33.7628



35.9527, 42.3920, 52.3634



39.0009, 42.3920, 61.2662

# Sweetspot

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



44.9690, 42.3939, 40.4636



88.2157, 90.1177, 94.9496



48.7352, 43.3266, 62.0656



18.7295, 19.0686, 20.0127



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.



44.9690, 42.3939, 40.4636



70.8741, 64.9839, 59.7289



48.8341, 50.1243, 41.7520



11.2556, 11.3001, 11.6673



15.7615, 8.2559, 0.7628



0.8289, 0.4574, 0.0446



# Inverse Universe

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



47.1233, 54.3856, 65.1408



75.0599, 88.2891, 107.6932



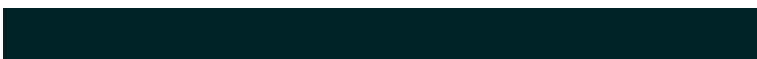
42.7590, 45.6571, 63.6860



11.4945, 12.6294, 14.4023



19.0269, 27.0779, 40.1800



0.9963, 1.4265, 2.0778



# Previews

## White Background



This preview shows how the XYZ color 44.9678, 42.3920, 40.4627 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

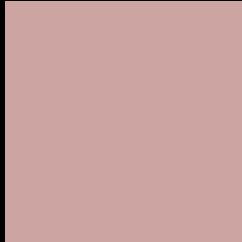
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9678, 42.3920, 40.4627 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

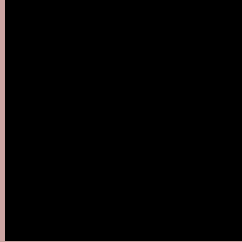
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.9678, 42.3920, 40.4627**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9678, 42.3920, 40.4627.



This preview shows how white text looks on a background with the XYZ color 44.9678, 42.3920,

40.4627.

# 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

44.9678, 42.3920, 40.4627

### Protanopia

40.7943, 42.6830, 43.1343

### Deuteranopia

43.2892, 42.3497, 40.0751



## Tritanopia

46.3873, 42.4508, 46.8232

# Trichromacy



## Original Color

44.9678, 42.3920, 40.4627

## Protanomaly

42.1849, 42.5704, 42.0699

## Deuteranomaly

43.8935, 42.3882, 40.0507

## Tritanomaly

45.8030, 42.4703, 44.3116

# Monochromacy



## Original Color

44.9678, 42.3920, 40.4627

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

42.3529, 42.8844, 44.5734

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9678, 42.3920, 40.4627 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, 165, 163) looks like.

```
.text, #text, p{  
    color:rgb(204, 165, 163)  
}
```

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, 165, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 165, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9678, 42.3920, 40.4627 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, 165, 163) }
```



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

```
.border{ border-color:rgb(204, 165, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 165, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 165, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 165, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 165,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9678, 42.3920, 40.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 165, 163) }
```

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

```
.background{ background-color: rgb(204,  
165, 163) }
```

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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