

# Converting Colors

XYZ(40.1624, 34.1281, 33.2075)

Have a look what the booklet for  
XYZ(40.1624, 34.1281, 33.2075)  
contains.

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# Color

**XYZ(40.2067, 34.2309,  
33.3423)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD8D96
RGB	205, 141, 150
RGB Percent	80%, 55%, 59%
CMY	0.1961, 0.4470, 0.4118
CMYK	0.00, 0.31, 0.27, 0.20
HSL	352°, 39%, 68%
HSV	352°, 31%, 80%
XYZ	40.2067, 34.2309, 33.3423
YIQ	161.1620, 35.2550, 16.3670

# Conversions

## Conversions Part 2

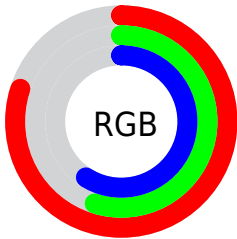
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 141, 150
Decimal	13471126
CIE Lab	65.15, 25.57, 5.10
CIE LCh	65, 26.077, 11.278
Yxy	34.2309, 0.3730, 0.3176
Android (android.graphics.Color)	4291661206 (0xFFCD8D96)
YUV	161.1620, -5.5029, 38.4459
Hunter-Lab	58.5072, 20.2794, 7.1666

# Details

The XYZ color **40.2067, 34.2309, 33.3423** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.7811, 53.3116, 60.2625**, and the grayscale version is **33.9657, 35.7346, 38.9149**.

A 20% lighter version of the original color is **71.6542, 64.6498, 65.8288**, and **18.3027, 14.6027, 13.6583** is the 20% darker color. If you saturate the color by 10%, you get **36.1454, 28.2104, 25.5075**, and if you desaturate by 10%, it is **45.0427, 41.4589, 42.4885**.

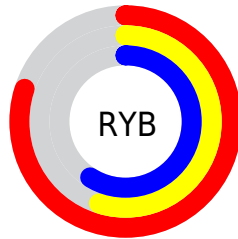
# Distribution



Red (80%)

Green (55%)

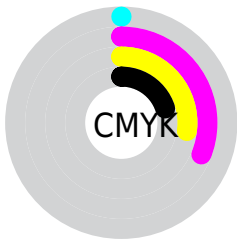
Blue (59%)



Red (80%)

Yellow (55%)

Blue (59%)

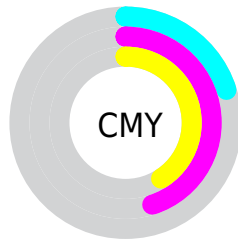


Cyan (0%)

Magenta (31%)

Yellow (27%)

Black (20%)



Cyan (20%)

Magenta (45%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2067, 34.2309, 33.3423 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 40.2067, 34.2309, 33.3423 by changing the saturation by 10% instead.





 40.2067, 34.2309,  
33.3423


 40.2067, 34.2309,  
33.3423


338.1135,  
321.1604, 331.8685


 27.8847, 23.0710,  
22.1155

 74.7605, 66.2926,  
66.0317

 18.3788, 14.6460,  
13.7427


 97.7230, 87.9632,  
88.3315

 11.3236, 8.5713,  
7.8052


 124.9630,  
113.9062, 115.1593

 6.3538, 4.4626,  
3.8846

156.8459,  
144.5059, 146.9338

 3.1041, 1.9356,  
1.5622

193.7371,  
180.1468, 184.0734

 1.2090, 0.5696,  
0.2637

236.0018,

 0.1135, 0.0000,

221.2133, 226.9967

0.0000

284.0055,  
268.0897, 276.1222

0.0000, 0.0000,  
0.0000

40.2067, 34.2309,  
33.3423

40.2067, 34.2309,  
33.3423

36.1454, 28.2104,  
25.5075

45.0427, 41.4589,  
42.4885

32.8155, 23.3269,  
18.9217

50.6880, 49.9501,  
53.0004

30.1739, 19.5101,  
13.5205

57.1785, 59.7627,  
64.9317

28.1717, 16.6799,  
9.2330

64.5472, 70.9498,  
78.3327

26.7533, 14.7447,  
5.9804

72.8251, 83.5617,  
93.2511

■ 25.8534, 13.5960,  
3.6733

■ 78.9869, 91.7191,  
108.1483

■ 25.3964, 13.0670,  
2.3342

# Harmonies

## Analogous

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



39.9258, 34.2309, 44.3693



40.2067, 34.2309, 33.3423



38.3165, 34.2309, 25.1435

# Triad

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



40.2067, 34.2309, 33.3423



27.9668, 34.2309, 23.7005



30.2551, 34.2309, 60.7000

# Complementary

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



40.2067, 34.2309, 33.3423



42.7811, 53.3116, 60.2625

# 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.



27.3672, 34.2309, 52.7812



40.2067, 34.2309, 33.3423



26.1185, 34.2309, 30.9744

# Square

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



40.2067, 34.2309, 33.3423



31.1328, 34.2309, 20.3411



25.9078, 34.2309, 41.4981



33.9796, 34.2309, 61.6744



# Rectangle

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



40.2067, 34.2309, 33.3423



36.1594, 34.2309, 21.8192



25.9078, 34.2309, 41.4981



29.1621, 34.2309, 58.6993

# Sweetspot

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



40.2076, 34.2325, 33.3430



85.1460, 85.0155, 90.7285



43.1545, 35.1147, 62.2610



17.9056, 17.7151, 18.8303



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.



40.2076, 34.2325, 33.3430



61.5553, 49.6802, 46.3448



43.1539, 41.2403, 30.8871



11.2755, 11.2389, 11.9854



15.8312, 8.1431, 1.5638



0.8380, 0.4286, 0.1930



# Inverse Universe

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



40.2076, 34.2325, 33.3430



61.5553, 49.6802, 46.3448



38.8564, 43.7740, 64.1589



11.2755, 11.2389, 11.9854



15.8312, 8.1431, 1.5638



0.8380, 0.4286, 0.1930



# Previews

## White Background



This preview shows how the XYZ color 40.2067, 34.2309, 33.3423 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 40.2067, 34.2309, 33.3423 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 40.2067, 34.2309, 33.3423**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2067, 34.2309, 33.3423.



This preview shows how white text looks on a background with the XYZ color 40.2067, 34.2309,



# 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

40.2067, 34.2309, 33.3423

### Protanopia

33.1828, 34.5340, 37.7177

### Deuteranopia

35.0966, 34.3856, 32.8043



## Tritanopia

40.2876, 34.2633, 33.7682

# Trichromacy



## Original Color

40.2067, 34.2309, 33.3423

## Protanomaly

35.3604, 34.2039, 36.1908

## Deuteranomaly

36.9113, 34.3562, 33.1197

## Tritanomaly

40.2876, 34.2633, 33.7682

# Monochromacy



## Original Color

40.2067, 34.2309, 33.3423

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

35.7729, 34.8926, 36.7478

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2067, 34.2309, 33.3423 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(205, 141, 150)` looks like.

```
.text, #text, p{  
    color:rgb(205, 141, 150)  
}
```

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(205, 141, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 141, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2067, 34.2309, 33.3423 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(205, 141, 150) }
```



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

```
.border{ border-color:rgb(205, 141, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 141, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 141, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 141, 150);  
box-shadow:4px 4px 4px 4px rgb(205, 141,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2067, 34.2309, 33.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 141, 150) }
```

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

```
.background{ background-color: rgb(205,  
141, 150) }
```

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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