

# Converting Colors

XYZ(44.6900, 41.7490, 39.4157)

Have a look what the booklet for  
XYZ(44.6900, 41.7490, 39.4157)  
contains.

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# **Color**

**XYZ(44.7071, 41.7467,  
39.4198)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDA3A1
RGB	205, 163, 161
RGB Percent	80%, 64%, 63%
CMY	0.1961, 0.3608, 0.3686
CMYK	0.00, 0.20, 0.21, 0.20
HSL	3°, 31%, 72%
HSV	3°, 21%, 80%
XYZ	44.7071, 41.7467, 39.4198
YIQ	175.3300, 25.6740, 8.2820

# Conversions

## Conversions Part 2

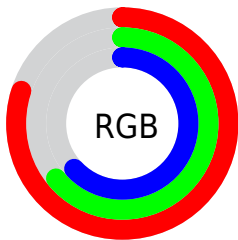
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	205, 163, 161
Decimal	13476769
CIE Lab	70.70, 15.16, 6.93
CIE LCh	71, 16.671, 24.571
Yxy	41.7467, 0.3552, 0.3317
Android (android.graphics.Color)	4291666849 (0xFFCDA3A1)
YUV	175.3300, -7.0647, 26.0206
Hunter-Lab	64.6117, 10.4400, 9.0552

# Details

The XYZ color **44.7071, 41.7467, 39.4198** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.0730, 54.6955, 65.8344**, and the grayscale version is **40.9456, 43.0779, 46.9119**.

A 20% lighter version of the original color is **78.7061, 76.3607, 75.5566**, and **21.0766, 18.9787, 17.3042** is the 20% darker color. If you saturate the color by 10%, you get **39.8361, 34.6643, 29.5964**, and if you desaturate by 10%, it is **50.4143, 50.0265, 50.9852**.

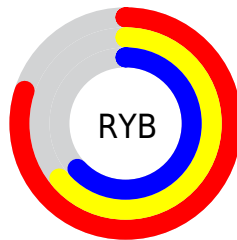
# Distribution



Red (80%)

Green (64%)

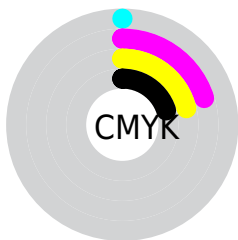
Blue (63%)



Red (80%)

Yellow (64%)

Blue (63%)

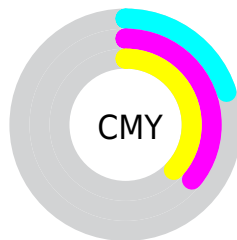


Cyan (0%)

Magenta (20%)

Yellow (21%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7071, 41.7467, 39.4198 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 44.7071, 41.7467, 39.4198 by changing the saturation by 10% instead.




 44.7071, 41.7467,  
39.4198

 44.7071, 41.7467,  
39.4198


356.3897,  
353.4318, 359.1511

 31.4271, 28.9030,  
26.7761


 81.5205, 77.8161,  
75.5066

 21.0777, 19.0075,  
17.1742

 105.7846,  
101.8106, 99.7868

 13.2936, 11.6757,  
10.1955


134.4407,  
130.2909, 128.7829

 7.7094, 6.5232,  
5.4215

167.8542,  
163.6412, 162.9135

 3.9598, 3.1658,  
2.4336

206.3906,  
202.2461, 202.5970

 1.6794, 1.2189,  
0.8046

250.4150,

 0.4433, 0.0770,

246.4899, 248.2521

0.0000

300.2929,  
296.7570, 300.2973

■ 0.0000, 0.0000,  
0.0000

■ 44.7071, 41.7467,  
39.4198

■ 44.7071, 41.7467,  
39.4198

■ 39.8361, 34.6643,  
29.5964

■ 50.4143, 50.0265,  
50.9852

■ 35.7589, 28.7185,  
21.4282

■ 56.9908, 59.5494,  
64.3684

■ 32.4343, 23.8519,  
14.8247

■ 64.4720, 70.3658,  
79.6440

■ 29.8163, 19.9997,  
9.6861

■ 72.8905, 82.5216,  
96.8817

■ 27.8538, 17.0903,  
5.9008

■ 78.9871, 91.7192,  
108.1483

■ 26.4886, 15.0425,  
3.3412

■ 25.6525, 13.7618,  
1.8553

■ 25.2784, 13.1819,  
1.2120

# Harmonies

## Analogous

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



45.2038, 41.7467, 46.9092



44.7071, 41.7467, 39.4198



42.8377, 41.7467, 34.1547

# Triad

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



44.7071, 41.7467, 39.4198



35.5073, 41.7467, 37.1964



39.1787, 41.7467, 62.3386

# Complementary

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



44.7071, 41.7467, 39.4198



47.0730, 54.6955, 65.8344

# 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.



36.6795, 41.7467, 59.0078



44.7071, 41.7467, 39.4198



34.6237, 41.7467, 44.0312

# Square

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



44.7071, 41.7467, 39.4198



37.5115, 41.7467, 32.9791



35.0428, 41.7467, 52.0769



41.9284, 41.7467, 60.7368



# Rectangle

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



44.7071, 41.7467, 39.4198



41.1086, 41.7467, 32.3143



35.0428, 41.7467, 52.0769



38.2829, 41.7467, 61.7481

# Sweetspot

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



44.7082, 41.7486, 39.4207



88.2006, 90.0875, 94.9446



48.7654, 42.8067, 62.5265



18.7260, 19.0615, 20.0115



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.



44.7082, 41.7486, 39.4207



69.1808, 62.4972, 56.3905



48.8480, 50.0281, 40.8006



11.2526, 11.2942, 11.6664



15.7555, 8.2439, 0.7608



0.8275, 0.4547, 0.0441



# Inverse Universe

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



47.0730, 54.6955, 65.8344



73.7663, 87.6092, 107.6301



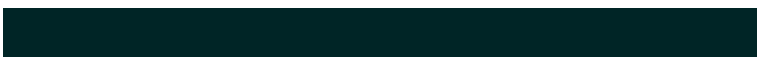
42.3505, 45.2505, 64.2602



11.4978, 12.6360, 14.4034



19.1214, 27.2667, 40.2115

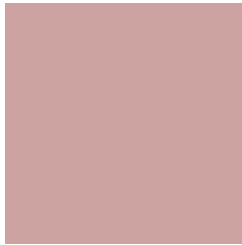


1.0003, 1.4343, 2.0791



# Previews

## White Background



This preview shows how the XYZ color 44.7071, 41.7467, 39.4198 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 44.7071, 41.7467, 39.4198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

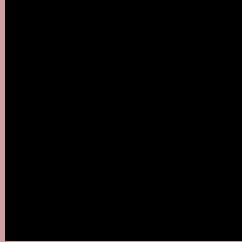
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.7071, 41.7467, 39.4198**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7071, 41.7467, 39.4198.



This preview shows how white text looks on a background with the XYZ color 44.7071, 41.7467,



# 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

44.7071, 41.7467, 39.4198

### Protanopia

39.9956, 41.7232, 42.0218

### Deuteranopia

42.6696, 41.7776, 39.0727



## Tritanopia

45.8384, 41.6675, 45.6711

# Trichromacy



## Original Color

44.7071, 41.7467, 39.4198

## Protanomaly

41.6278, 41.7476, 40.9860

## Deuteranomaly

43.5346, 41.9526, 39.0609

## Tritanomaly

45.5354, 41.8270, 43.2096

# Monochromacy



## Original Color

44.7071, 41.7467, 39.4198

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

42.0683, 42.4672, 44.0100

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7071, 41.7467, 39.4198 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, 163, 161)` looks like.

```
.text, #text, p{  
    color:rgb(205, 163, 161)  
}
```

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, 163, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 163, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7071, 41.7467, 39.4198 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, 163, 161) }
```



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

```
.border{ border-color:rgb(205, 163, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 163, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 163, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 163, 161);  
box-shadow:4px 4px 4px 4px rgb(205, 163,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7071, 41.7467, 39.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 163, 161) }
```

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

```
.background{ background-color: rgb(205,  
163, 161) }
```

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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