

# Converting Colors

XYZ(43.6733, 38.8894, 44.6649)

Have a look what the booklet for  
XYZ(43.6733, 38.8894, 44.6649)  
contains.

<b>XYZ(43.7270, 38.8248, 44.7244)</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(43.7270, 38.8248,  
44.7244)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB9AAD
RGB	203, 154, 173
RGB Percent	80%, 60%, 68%
CMY	0.2039, 0.3961, 0.3216
CMYK	0.00, 0.24, 0.15, 0.20
HSL	337°, 32%, 70%
HSV	337°, 24%, 80%
XYZ	43.7270, 38.8248, 44.7244
YIQ	170.8170, 23.1050, 16.2970

# Conversions

## Conversions Part 2

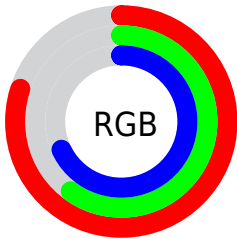
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 154, 173
Decimal	13343405
CIE Lab	68.62, 21.23, -2.77
CIE LCh	69, 21.408, 352.574
Yxy	38.8248, 0.3436, 0.3050
Android (android.graphics.Color)	4291533485 (0xFFCB9AAD)
YUV	170.8170, 1.0762, 28.2245
Hunter-Lab	62.3095, 16.2243, 1.0597

# Details

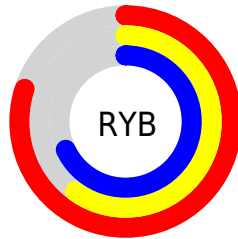
The XYZ color **43.7270, 38.8248, 44.7244** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.3356, 53.0436, 53.3043**, and the grayscale version is **38.6044, 40.6148, 44.2296**.

A 20% lighter version of the original color is **78.0441, 72.4624, 83.2721**, and **20.5142, 17.3769, 20.3620** is the 20% darker color. If you saturate the color by 10%, you get **39.5084, 32.2234, 37.6578**, and if you desaturate by 10%, it is **48.6263, 46.6076, 52.5709**.

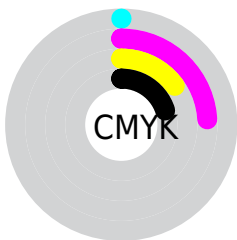
# Distribution



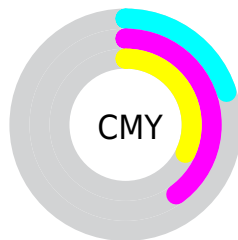
- Red (80%)
- Green (60%)
- Blue (68%)



- Red (80%)
- Yellow (60%)
- Blue (68%)



- Cyan (0%)
- Magenta (24%)
- Yellow (15%)
- Black (20%)



- Cyan (20%)
- Magenta (40%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7270, 38.8248, 44.7244 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 43.7270, 38.8248, 44.7244 by changing the saturation by 10% instead.





 43.7270, 38.8248,  
44.7244


 43.7270, 38.8248,  
44.7244


352.4641,  
341.1450, 381.7838

 30.6529, 26.6235,  
30.8990

 80.0557, 73.3706,  
83.6208

 20.4852, 17.2906,  
20.2642


 104.0410, 96.4838,  
109.5288

 12.8586, 10.4419,  
12.4012


132.3941,  
124.0032, 140.3015

 7.4075, 5.6929,  
6.8917

165.4804,  
156.3130, 176.3574

 3.7668, 2.6593,  
3.3170

203.6652,  
193.7977, 218.1151

 1.5711, 0.9566,  
1.2587

247.3138,

 0.3735, 0.0000,

236.8417, 265.9930

0.0276

296.7917,  
285.8293, 320.4097

■ 0.0000, 0.0000,  
0.0000

■ 43.7270, 38.8248,  
44.7244

■ 43.7270, 38.8248,  
44.7244

■ 39.5084, 32.2234,  
37.6578

■ 48.6263, 46.6076,  
52.5709

■ 35.9357, 26.7400,  
31.3432

■ 54.2324, 55.6208,  
61.2190

■ 32.9758, 22.3131,  
25.7543

■ 60.5740, 65.9167,  
70.6927

■ 30.5914, 18.8732,  
20.8624

■ 67.6773, 77.5433,  
81.0141

■ 28.7406, 16.3423,  
16.6362

■ 75.4057, 90.2234,  
92.1505

■ 27.3755, 14.6305,  
13.0416

■ 77.2667, 90.9678,  
101.9504

■ 26.4386, 13.6290,  
10.0401

■ 78.4388, 91.4366,  
108.1226

■ 26.0294, 13.2568,  
8.5279

# Harmonies

## Analogous

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



42.3059, 38.8248, 54.6208



43.7270, 38.8248, 44.7244



43.2324, 38.8248, 35.5251

# Triad

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



43.7270, 38.8248, 44.7244



34.4633, 38.8248, 27.3140



33.0923, 38.8248, 58.8400

# Complementary

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



43.7270, 38.8248, 44.7244



43.3356, 53.0436, 53.3043

# 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.



31.2215, 38.8248, 49.8269



43.7270, 38.8248, 44.7244



31.9787, 38.8248, 31.9433

# Square

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



43.7270, 38.8248, 44.7244



37.7479, 38.8248, 26.3760



30.8266, 38.8248, 39.9140



36.0684, 38.8248, 63.5407



# Rectangle

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



43.7270, 38.8248, 44.7244



41.8963, 38.8248, 30.8927



30.8266, 38.8248, 39.9140



32.3209, 38.8248, 56.1540

# Sweetspot

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



43.7281, 38.8266, 44.7252



87.9075, 88.4512, 98.0837



41.9603, 37.5413, 61.5350



18.6902, 18.7299, 20.8013



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.



43.7281, 38.8266, 44.7252



69.3722, 58.9673, 68.5163



42.8436, 39.7933, 35.9967



11.3894, 11.2845, 12.5850



16.6064, 8.4532, 5.6462



0.8936, 0.4508, 0.4855



# Inverse Universe

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



43.7281, 38.8266, 44.7252



69.3722, 58.9673, 68.5163



44.3241, 51.6167, 64.1273



11.3894, 11.2845, 12.5850



16.6064, 8.4532, 5.6462

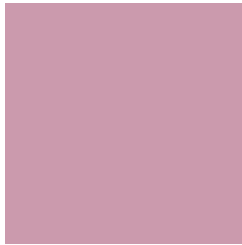


0.8936, 0.4508, 0.4855



# Previews

## White Background



This preview shows how the XYZ color 43.7270, 38.8248, 44.7244 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

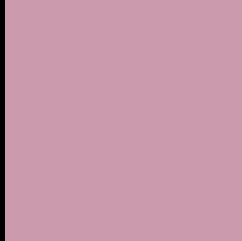
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7270, 38.8248, 44.7244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

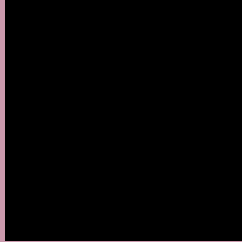
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.7270, 38.8248, 44.7244**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7270, 38.8248, 44.7244.



This preview shows how white text looks on a background with the XYZ color 43.7270, 38.8248,



# 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

43.7270, 38.8248, 44.7244

### Protanopia

38.0956, 39.1891, 49.2725

### Deuteranopia

39.5624, 38.7260, 43.9178



## Tritanopia

43.0535, 38.7893, 41.7771

# Trichromacy



## Original Color

43.7270, 38.8248, 44.7244

## Protanomaly

39.7786, 38.7583, 47.5040

## Deuteranomaly

41.0797, 38.7220, 44.3387

## Tritanomaly

43.2399, 38.8638, 42.7586

# Monochromacy



## Original Color

43.7270, 38.8248, 44.7244

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

40.4300, 39.9561, 44.6111

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7270, 38.8248, 44.7244 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(203, 154, 173)` looks like.

```
.text, #text, p{  
    color:rgb(203, 154, 173)  
}
```

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(203, 154, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 154, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7270, 38.8248, 44.7244 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(203, 154, 173) }
```



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

```
.border{ border-color:rgb(203, 154, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 154, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 154, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 154, 173);  
box-shadow:4px 4px 4px 4px rgb(203, 154,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7270, 38.8248, 44.7244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 154, 173) }
```

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

```
.background{ background-color: rgb(203,  
154, 173) }
```

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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