

# Converting Colors

XYZ(45.6973, 46.1413, 38.1280)

Have a look what the booklet for  
XYZ(45.6973, 46.1413, 38.1280)  
contains.

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# **Color**

**XYZ(45.8103, 46.2621,  
37.9675)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9B19C
RGB	201, 177, 156
RGB Percent	79%, 69%, 61%
CMY	0.2118, 0.3059, 0.3882
CMYK	0.00, 0.12, 0.22, 0.21
HSL	28°, 29%, 70%
HSV	28°, 22%, 79%
XYZ	45.8103, 46.2621, 37.9675
YIQ	181.7820, 21.0450, -1.4430

# Conversions

## Conversions Part 2

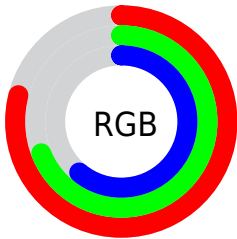
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 195, 156
Decimal	13218204
CIE <sub>Lab</sub>	73.72, 5.32, 13.91
CIE <sub>LCh</sub>	74, 14.893, 69.073
Yxy	46.2621, 0.3523, 0.3558
Android (android.graphics.Color)	4291408284 (0xFFC9B19C)
YUV	181.7820, -12.7105, 16.8542
Hunter-Lab	68.0162, 1.1949, 14.5150

# Details

The XYZ color **45.8103, 46.2621, 37.9675** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **40.5739, 43.9264, 61.5988**, and the grayscale version is **44.4048, 46.7173, 50.8751**.

A 20% lighter version of the original color is **82.1368, 84.2410, 73.5591**, and **21.6115, 21.5462, 16.3844** is the 20% darker color. If you saturate the color by 10%, you get **42.2129, 41.5692, 29.0546**, and if you desaturate by 10%, it is **49.8582, 51.4045, 48.4212**.

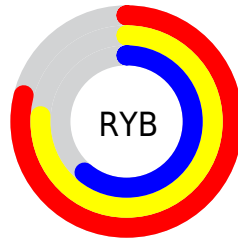
# Distribution



Red (79%)

Green (69%)

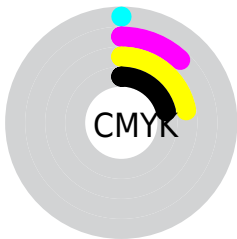
Blue (61%)



Red (79%)

Yellow (76%)

Blue (61%)

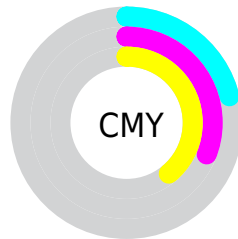


Cyan (0%)

Magenta (12%)

Yellow (22%)

Black (21%)



Cyan (21%)

Magenta (31%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8103, 46.2621, 37.9675 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 45.8103, 46.2621, 37.9675 by changing the saturation by 10% instead.





 45.8103, 46.2621,  
37.9675


 45.8103, 46.2621,  
37.9675


360.7742,  
371.8614, 352.7745

 32.3001, 32.4527,  
25.6558


 83.1646, 84.6111,  
73.2612

 21.7475, 21.7075,  
16.3429


 107.7395,  
109.9195, 97.0803

 13.7871, 13.6421,  
9.6101


136.7333,  
139.8297, 125.5723

 8.0534, 7.8722,  
5.0390

170.5115,  
174.7261, 159.1557

 4.1812, 4.0133,  
2.2110

209.4393,  
214.9931, 198.2491

 1.8052, 1.6810,  
0.6807

253.8821,

 0.5208, 0.4113,

261.0150, 243.2710

0.0000

304.2053,  
313.1763, 294.6400

■ 0.0000, 0.0000,  
0.0000

■ 45.8103, 46.2621,  
37.9675

■ 45.8103, 46.2621,  
37.9675

■ 42.2129, 41.5692,  
29.0546

■ 49.8582, 51.4045,  
48.4212

■ 39.0446, 37.3063,  
21.6054

■ 54.3694, 57.0026,  
60.4819

■ 36.2877, 33.4617,  
15.5405

■ 59.3609, 63.0704,  
74.2155

■ 33.9216, 30.0206,  
10.7717

■ 64.8474, 69.6194,  
89.6832

■ 31.9236, 26.9671,  
7.2003

■ 70.6005, 76.5636,  
105.6649

■ 30.2681, 24.2838,  
4.7134

■ 73.6859, 82.7344,  
106.6934

■ 28.9251, 21.9513,  
3.1758

■ 76.9581, 89.2788,  
107.7842

■ 28.0741, 20.3907,  
2.4561

■ 77.8975, 91.1576,  
108.0973

# Harmonies

## Analogous

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



48.0338, 46.2621, 41.7462



45.8103, 46.2621, 37.9675



43.1745, 46.2621, 37.3271

# Triad

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



45.8103, 46.2621, 37.9675



39.1425, 46.2621, 52.7010



47.2512, 46.2621, 62.5320

# Complementary

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



45.8103, 46.2621, 37.9675



40.5739, 43.9264, 61.5988

# 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.



44.7768, 46.2621, 66.1479



45.8103, 46.2621, 37.9675



40.1436, 46.2621, 60.1099

# Square

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



45.8103, 46.2621, 37.9675



39.3943, 46.2621, 45.3517



42.1811, 46.2621, 65.2198



48.8885, 46.2621, 55.7489



# Rectangle

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



45.8103, 46.2621, 37.9675



41.5480, 46.2621, 38.6956



42.1811, 46.2621, 65.2198



46.4858, 46.2621, 64.1876

# Sweetspot

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



45.8115, 46.2642, 37.9685



89.3463, 92.9798, 93.4736



44.2145, 39.4903, 48.4725



19.0226, 19.7760, 19.7368



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.



45.8115, 46.2642, 37.9685



75.2646, 75.1029, 57.0675



50.6272, 55.8955, 39.5737



11.0351, 11.4394, 11.1892



17.7417, 13.0007, 1.5743



0.9124, 0.7602, 0.0986



# Inverse Universe

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



40.5739, 43.9264, 61.5988



64.6875, 70.3805, 104.7831



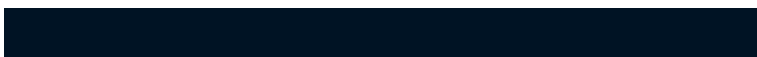
36.3952, 35.5691, 60.2059



10.5171, 11.2083, 13.5266



10.0390, 9.4720, 36.0435

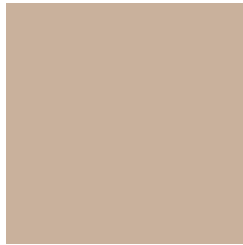


0.5474, 0.5925, 1.7307



# Previews

## White Background



This preview shows how the XYZ color 45.8103, 46.2621, 37.9675 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 45.8103, 46.2621, 37.9675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

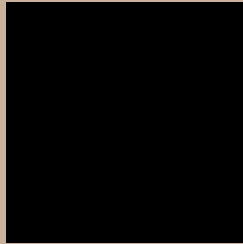
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.8103, 46.2621, 37.9675**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8103, 46.2621, 37.9675.



This preview shows how white text looks on a background with the XYZ color 45.8103, 46.2621,

37.9675.

# 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

45.8103, 46.2621, 37.9675

### Protanopia

43.9306, 46.4635, 39.0007

### Deuteranopia

47.1492, 46.0823, 37.8622



## Tritanopia

48.9833, 46.4114, 52.8310

# Trichromacy



## Original Color

45.8103, 46.2621, 37.9675

## Protanomaly

44.6552, 46.5462, 38.5290

## Deuteranomaly

46.5076, 46.0394, 37.8878

## Tritanomaly

47.7758, 46.2046, 46.9578

# Monochromacy



## Original Color

45.8103, 46.2621, 37.9675

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.8503, 46.4785, 46.1425

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8103, 46.2621, 37.9675 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(201, 177, 156)` looks like.

```
.text, #text, p{  
    color:rgb(201, 177, 156)  
}
```

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(201, 177, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 177, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8103, 46.2621, 37.9675 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(201, 177, 156) }
```



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

```
.border{ border-color:rgb(201, 177, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 177, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 177, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 177, 156); box-shadow:4px 4px 4px 4px rgb(201, 177, 156) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8103, 46.2621, 37.9675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 177, 156) }
```

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

```
.background{ background-color: rgb(201,  
177, 156) }
```

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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