

# Converting Colors

XYZ(47.7061, 45.7914, 38.2221)

Have a look what the booklet for  
XYZ(47.7061, 45.7914, 38.2221)  
contains.

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# Color

**XYZ(47.7023, 45.7883,  
38.2221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3AC9D
RGB	211, 172, 157
RGB Percent	83%, 67%, 62%
CMY	0.1725, 0.3255, 0.3843
CMYK	0.00, 0.18, 0.26, 0.17
HSL	17°, 38%, 72%
HSV	17°, 26%, 83%
XYZ	47.7023, 45.7883, 38.2221
YIQ	181.9510, 28.0590, 3.6030

# Conversions

## Conversions Part 2

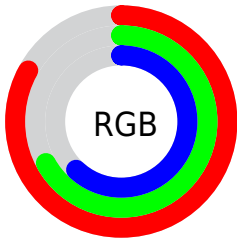
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 178, 157
Decimal	13872285
CIE Lab	73.41, 11.97, 13.07
CIE LCh	73, 17.719, 47.512
Yxy	45.7883, 0.3622, 0.3476
Android (android.graphics.Color)	4292062365 (0xFFD3AC9D)
YUV	181.9510, -12.3008, 25.4760
Hunter-Lab	67.6671, 7.4173, 13.8767

# Details

The XYZ color **47.7023, 45.7883, 38.2221** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.4018, 51.3495, 69.1467**, and the grayscale version is **44.4919, 46.8090, 50.9750**.

A 20% lighter version of the original color is **80.5928, 80.9516, 73.6649**, and **23.0283, 21.5415, 16.5799** is the 20% darker color. If you saturate the color by 10%, you get **43.3188, 39.6593, 28.6276**, and if you desaturate by 10%, it is **52.7319, 52.7110, 49.5678**.

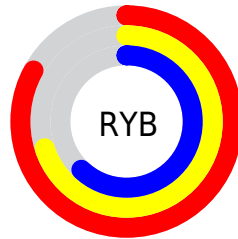
# Distribution



Red (83%)

Green (67%)

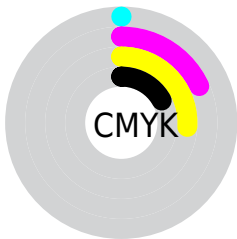
Blue (62%)



Red (83%)

Yellow (70%)

Blue (62%)

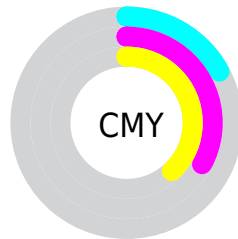


Cyan (0%)

Magenta (18%)

Yellow (26%)

Black (17%)



Cyan (17%)

Magenta (33%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7023, 45.7883, 38.2221 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 47.7023, 45.7883, 38.2221 by changing the saturation by 10% instead.





 47.7023, 45.7883,  
38.2221


 47.7023, 45.7883,  
38.2221


368.2132,  
369.9569, 353.8985

 33.8015, 32.0788,  
25.8519


 85.9734, 83.9021,  
73.6556

 22.9033, 21.4217,  
16.4881


 111.0743,  
109.0751, 97.5561

 14.6424, 13.4326,  
9.7121


140.6394,  
138.8382, 126.1370

 8.6535, 7.7271,  
5.1054

175.0338,  
173.5756, 159.8171

 4.5712, 3.9208,  
2.2494

214.6231,  
213.6718, 199.0147

 2.0301, 1.6294,  
0.7027

259.7725,

 0.6508, 0.3773,

259.5111, 244.1484

0.0000

310.8474,  
311.4780, 295.6368

■ 0.0000, 0.0000,  
0.0000

■ 47.7023, 45.7883,  
38.2221

■ 47.7023, 45.7883,  
38.2221

■ 43.3188, 39.6593,  
28.6276

■ 52.7319, 52.7110,  
49.5678

■ 39.5505, 34.2889,  
20.6936

■ 58.4295, 60.4484,  
62.7436

■ 36.3695, 29.6487,  
14.3254

■ 64.8203, 69.0283,  
77.8270

■ 33.7441, 25.7060,  
9.4175

■ 71.9272, 78.4757,  
94.8901

■ 31.6391, 22.4252,  
5.8511

■ 78.5403, 88.3214,  
107.5160

■ 30.0150, 19.7677,  
3.4889

■ 80.6740, 92.5889,  
108.2272

■ 28.8252, 17.6897,  
2.1623

■ 28.4090, 16.9388,  
1.7722

# Harmonies

## Analogous

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



49.4999, 45.7883, 44.8594



47.7023, 45.7883, 38.2221



44.8314, 45.7883, 34.8835

# Triad

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



47.7023, 45.7883, 38.2221



37.9186, 45.7883, 46.2297



45.3518, 45.7883, 68.1140

# Complementary

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



47.7023, 45.7883, 38.2221



45.4018, 51.3495, 69.1467

# 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.



42.2352, 45.7883, 68.5954



47.7023, 45.7883, 38.2221



38.0429, 45.7883, 55.2099

# Square

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



47.7023, 45.7883, 38.2221



39.2421, 45.7883, 39.1216



39.5904, 45.7883, 63.6385



48.0989, 45.7883, 62.3928



# Rectangle

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



47.7023, 45.7883, 38.2221



42.7403, 45.7883, 34.6796



39.5904, 45.7883, 63.6385



44.3099, 45.7883, 68.9165

# Sweetspot

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



47.7035, 45.7904, 38.2230



87.4168, 89.7134, 91.0037



48.9536, 41.9762, 58.1058



18.4202, 18.8085, 18.8039



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.



47.7035, 45.7904, 38.2230



69.2461, 64.7418, 49.8951



53.2357, 56.8548, 40.0671



12.0723, 12.3353, 12.3567



17.2195, 10.3720, 1.0944



1.0301, 0.7145, 0.0836

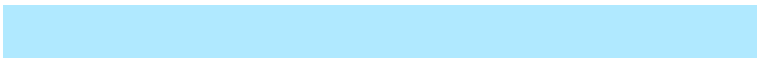


# Inverse Universe

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



45.4018, 51.3495, 69.1467



65.0921, 74.7420, 105.6037



39.9628, 40.4715, 67.3337



11.8691, 12.8285, 15.0942



13.9986, 16.6438, 39.6673



0.8476, 1.0603, 2.2396



# Previews

## White Background



This preview shows how the XYZ color 47.7023, 45.7883, 38.2221 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 47.7023, 45.7883, 38.2221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

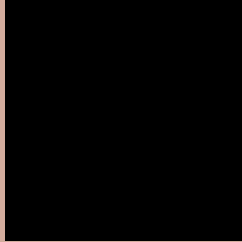
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.7023, 45.7883, 38.2221**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7023, 45.7883, 38.2221.



This preview shows how white text looks on a background with the XYZ color 47.7023, 45.7883,



# 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

47.7023, 45.7883, 38.2221

### Protanopia

43.4933, 45.9071, 40.2868

### Deuteranopia

46.9540, 45.9718, 38.2970



## Tritanopia

50.0747, 45.6376, 49.8858

# Trichromacy



## Original Color

47.7023, 45.7883, 38.2221

## Protanomaly

44.8323, 45.7181, 39.7193

## Deuteranomaly

47.0418, 45.7314, 38.2460

## Tritanomaly

49.0749, 45.5006, 45.2257

# Monochromacy



## Original Color

47.7023, 45.7883, 38.2221

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

45.4555, 46.1954, 46.0560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7023, 45.7883, 38.2221 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(211, 172, 157)` looks like.

```
.text, #text, p{  
    color:rgb(211, 172, 157)  
}
```

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(211, 172, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 172, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7023, 45.7883, 38.2221 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(211, 172, 157) }
```



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

```
.border{ border-color:rgb(211, 172, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 172, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 172, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 172, 157);  
box-shadow:4px 4px 4px 4px rgb(211, 172,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7023, 45.7883, 38.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 172, 157) }
```

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

```
.background{ background-color: rgb(211,  
172, 157) }
```

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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