

# Converting Colors

XYZ(41.3392, 40.9009, 23.7259)

Have a look what the booklet for  
XYZ(41.3392, 40.9009, 23.7259)  
contains.

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# **Color**

**XYZ(41.2634, 40.8473,  
23.7987)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAA579
RGB	202, 165, 121
RGB Percent	79%, 65%, 47%
CMY	0.2078, 0.3529, 0.5255
CMYK	0.00, 0.18, 0.40, 0.21
HSL	33°, 43%, 63%
HSV	33°, 40%, 79%
XYZ	41.2634, 40.8473, 23.7987
YIQ	171.0470, 36.1760, -5.8400

# Conversions

## Conversions Part 2

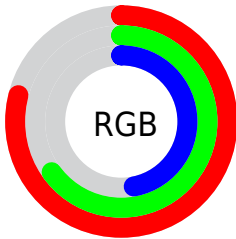
Format	Color
<b>RYB</b>	189, 202, 121
Decimal	13280633
CIELab	70.07, 7.61, 27.92
CIElCh	70, 28.939, 74.749
Yxy	40.8473, 0.3896, 0.3857
Android (android.graphics.Color)	4291470713 (0xFFCAA579)
YUV	171.0470, -24.6732, 27.1458
Hunter-Lab	63.9119, 3.3990, 22.6607

# Details

The XYZ color **41.2634, 40.8473, 23.7987** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.7722, 32.7817, 60.5825**, and the grayscale version is **38.8405, 40.8632, 44.5000**.

A 20% lighter version of the original color is **74.4732, 75.5024, 50.6927**, and **18.9289, 18.3891, 8.6827** is the 20% darker color. If you saturate the color by 10%, you get **38.5478, 37.1952, 17.4087**, and if you desaturate by 10%, it is **44.3606, 44.8472, 31.5964**.

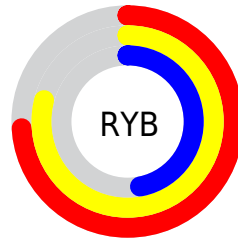
# Distribution



Red (79%)

Green (65%)

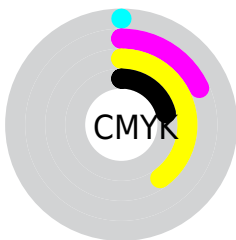
Blue (47%)



Red (74%)

Yellow (79%)

Blue (47%)

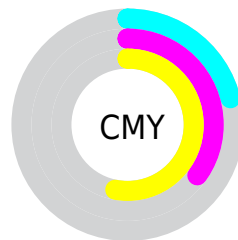


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (21%)



Cyan (21%)

Magenta (35%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2634, 40.8473, 23.7987 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 41.2634, 40.8473, 23.7987 by changing the saturation by 10% instead.



■ 41.2634, 40.8473,  
23.7987

■ 41.2634, 40.8473,  
23.7987

342.4641,  
349.6820, 285.0549

■ 28.7135, 28.1998,  
14.9735

■ 76.3558, 76.4520,  
50.6412

■ 19.0074, 18.4763,  
8.6544

■ 99.6290, 100.1781,  
69.4957

■ 11.7797, 11.2925,  
4.4227

■ 127.2074,  
128.3657, 92.5303

■ 6.6650, 6.2639,  
1.8600

159.4562,  
161.3993, 120.1636

■ 3.2979, 3.0062,  
0.4671

196.7410,  
199.6634, 152.8142

■ 1.3132, 1.1350,  
0.0000

239.4270,

■ 0.1931, 0.0076,

243.5423, 190.9006

0.0000

287.8796,  
293.4203, 234.8413

■ 0.0000, 0.0000,  
0.0000

■ 41.2634, 40.8473,  
23.7987

■ 41.2634, 40.8473,  
23.7987

■ 38.5478, 37.1952,  
17.4087

■ 44.3606, 44.8472,  
31.5964

■ 36.1917, 33.8734,  
12.3372

■ 47.8535, 49.1998,  
40.8786

■ 34.1756, 30.8716,  
8.4884

■ 51.7594, 53.9175,  
51.7195

■ 32.4759, 28.1759,  
5.7524

■ 56.0934, 59.0098,  
64.1876

■ 31.0653, 25.7711,  
3.9989

■ 60.8699, 64.4862,  
78.3472

■ 29.9050, 23.6524,  
2.9892

■ 66.1024, 70.3556,  
94.2592

■ 70.5891, 76.1406,  
105.5839

■ 73.2188, 81.4001,  
106.4605

■ 75.9864, 86.9353,  
107.3830

# Harmonies

## Analogous

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



45.6407, 40.8473, 28.5571



41.2634, 40.8473, 23.7987



36.5567, 40.8473, 23.7599

# Triad

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



41.2634, 40.8473, 23.7987



30.6840, 40.8473, 51.4347



45.5782, 40.8473, 65.6329

# Complementary

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



41.2634, 40.8473, 23.7987



30.7722, 32.7817, 60.5825

# 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.



41.1835, 40.8473, 74.6827



41.2634, 40.8473, 23.7987



32.7225, 40.8473, 65.4245

# Square

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



41.2634, 40.8473, 23.7987



30.7016, 40.8473, 37.9764



36.4829, 40.8473, 74.5994



48.2660, 40.8473, 51.6773



# Rectangle

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



41.2634, 40.8473, 23.7987



33.8723, 40.8473, 26.3388



36.4829, 40.8473, 74.5994



44.2365, 40.8473, 69.4644

# Sweetspot

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



41.2644, 40.8492, 23.7995



86.2113, 89.5884, 83.5542



37.4353, 28.7280, 36.2823



18.2607, 18.9452, 17.3465



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.



41.2644, 40.8492, 23.7995



65.8916, 63.8335, 30.8939



48.2046, 55.8046, 26.3204



11.7088, 12.2066, 11.8184



19.3336, 15.4002, 1.9535



1.0727, 0.9451, 0.1259



# Inverse Universe

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



30.7722, 32.7817, 60.5825



45.7509, 48.3562, 101.5301



25.7673, 22.2023, 58.8043



11.0168, 11.6740, 14.2430



9.4241, 7.8721, 36.9790



0.5617, 0.5572, 1.9329



# Previews

## White Background



This preview shows how the XYZ color 41.2634, 40.8473, 23.7987 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

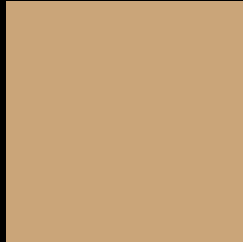
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2634, 40.8473, 23.7987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

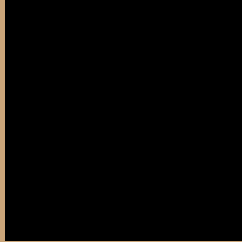
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.2634, 40.8473, 23.7987**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2634, 40.8473, 23.7987.



This preview shows how white text looks on a background with the XYZ color 41.2634, 40.8473,

23.7987.

# 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

41.2634, 40.8473, 23.7987

### Protanopia

37.9682, 40.7714, 24.9373

### Deuteranopia

41.6285, 40.7688, 23.7643



## Tritanopia

45.3097, 40.6594, 43.9880

# Trichromacy



## Original Color

41.2634, 40.8473, 23.7987

## Protanomaly

39.2490, 40.8824, 24.5613

## Deuteranomaly

41.3553, 40.6279, 23.7515

## Tritanomaly

43.6715, 40.7688, 35.7044

# Monochromacy



## Original Color

41.2634, 40.8473, 23.7987

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.2291, 40.6209, 35.9100

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2634, 40.8473, 23.7987 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(202, 165, 121)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 121)  
}
```

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(202, 165, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2634, 40.8473, 23.7987 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(202, 165, 121) }
```



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

```
.border{ border-color:rgb(202, 165, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 165, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 121);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2634, 40.8473, 23.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 165, 121) }
```

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

```
.background{ background-color: rgb(202,  
165, 121) }
```

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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