

# Converting Colors

XYZ(41.0009, 40.4237, 24.7103)

Have a look what the booklet for  
XYZ(41.0009, 40.4237, 24.7103)  
contains.

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# Color

**XYZ(41.0009, 40.4237,  
24.7103)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9A47C
RGB	201, 164, 124
RGB Percent	79%, 64%, 49%
CMY	0.2118, 0.3568, 0.5137
CMYK	0.00, 0.18, 0.38, 0.21
HSL	31°, 42%, 64%
HSV	31°, 38%, 79%
XYZ	41.0009, 40.4237, 24.7103
YIQ	170.5030, 34.8920, -4.5960

# Conversions

## Conversions Part 2

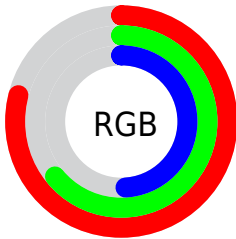
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 201, 124
Decimal	13214844
CIE Lab	69.77, 8.09, 25.89
CIE LCh	70, 27.123, 72.636
Yxy	40.4237, 0.3863, 0.3809
Android (android.graphics.Color)	4291404924 (0xFFC9A47C)
YUV	170.5030, -22.9260, 26.7459
Hunter-Lab	63.5796, 3.8458, 21.4626

# Details

The XYZ color **41.0009, 40.4237, 24.7103** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.5991, 33.9904, 60.1535**, and the grayscale version is **38.5594, 40.5674, 44.1780**.

A 20% lighter version of the original color is **74.5073, 75.0974, 52.1633**, and **18.7412, 18.1161, 9.1656** is the 20% darker color. If you saturate the color by 10%, you get **38.1942, 36.6413, 18.1299**, and if you desaturate by 10%, it is **44.2000, 44.5761, 32.7006**.

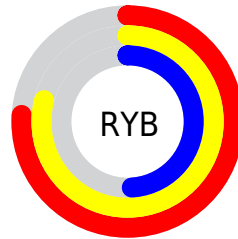
# Distribution



Red (79%)

Green (64%)

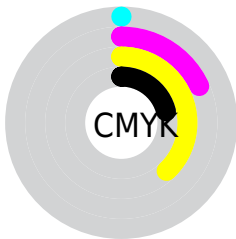
Blue (49%)



Red (76%)

Yellow (79%)

Blue (49%)

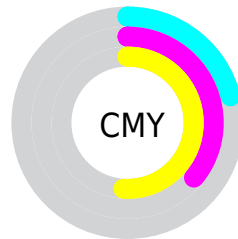


Cyan (0%)

Magenta (18%)

Yellow (38%)

Black (21%)



Cyan (21%)

Magenta (36%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0009, 40.4237, 24.7103 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 41.0009, 40.4237, 24.7103 by changing the saturation by 10% instead.





 41.0009, 40.4237,  
24.7103


 41.0009, 40.4237,  
24.7103


341.3869,  
347.9062, 289.7935


 28.5075, 27.8691,  
15.6443


 75.9600, 75.8083,  
52.1451

 18.8509, 18.2270,  
9.1212


 99.1563, 99.4070,  
71.3510

 11.6660, 11.1131,  
4.7224


 126.6510,  
127.4559, 94.7740

 6.5872, 6.1429,  
2.0295

158.8093,  
160.3393, 122.8326

 3.2494, 2.9322,  
0.5733

195.9968,  
198.4416, 155.9452

 1.2870, 1.0964,  
0.0000

238.5786,

 0.1734, 0.0000,

242.1473, 194.5306

0.0000

286.9202,  
291.8407, 239.0072

■ 0.0000, 0.0000,  
0.0000

■ 41.0009, 40.4237,  
24.7103

■ 41.0009, 40.4237,  
24.7103

■ 38.1942, 36.6413,  
18.1299

■ 44.2000, 44.5761,  
32.7006

■ 35.7580, 33.2110,  
12.8725

■ 47.8059, 49.1041,  
42.1757

■ 33.6730, 30.1217,  
8.8454


■ 51.8355, 54.0205,  
53.2081


■ 31.9159, 27.3592,  
5.9425


■ 56.3042, 59.3356,  
65.8647


■ 30.4602, 24.9076,  
4.0394


■ 61.2263, 65.0592,  
80.2086


 29.2664, 22.7459,  
2.9456

 66.6154, 71.2008,  
96.2994

 29.0809, 22.4045,  
2.7918

 70.8830, 77.1288,  
105.7592

 73.6704, 82.7036,  
106.6883

 76.6094, 88.5817,  
107.6680

# Harmonies

## Analogous

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



44.9844, 40.4237, 29.5643



41.0009, 40.4237, 24.7103



36.6012, 40.4237, 24.3600

# Triad

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



41.0009, 40.4237, 24.7103



30.7467, 40.4237, 49.5277



44.4385, 40.4237, 64.3432

# Complementary

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



41.0009, 40.4237, 24.7103



31.5991, 33.9904, 60.1535

# 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.



40.3012, 40.4237, 72.1276



41.0009, 40.4237, 24.7103



32.5302, 40.4237, 62.5405

# Square

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



41.0009, 40.4237, 24.7103



30.9026, 40.4237, 37.1752



35.9526, 40.4237, 71.4111



47.0707, 40.4237, 51.6451



# Rectangle

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



41.0009, 40.4237, 24.7103



34.0392, 40.4237, 26.6079



35.9526, 40.4237, 71.4111



43.1647, 40.4237, 67.7210

# Sweetspot

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



41.0019, 40.4256, 24.7111



86.7086, 90.0241, 85.4432



37.7473, 29.4140, 37.5067



18.3530, 19.0183, 17.7209



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.



41.0019, 40.4256, 24.7111



66.1470, 63.7689, 32.7533



48.2685, 55.4688, 27.2318



11.0821, 11.5333, 11.2048



18.3772, 14.2716, 1.7861



0.9424, 0.8203, 0.1087

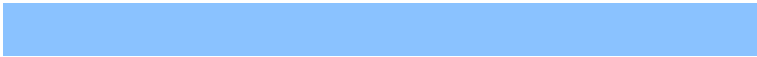


# Inverse Universe

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



31.5991, 33.9904, 60.1535



47.7862, 51.2069, 101.9731



26.2495, 23.0141, 58.3168



10.4701, 11.1143, 13.5109



9.3824, 8.1588, 35.8247



0.5167, 0.5312, 1.7204



# Previews

## White Background



This preview shows how the XYZ color 41.0009, 40.4237, 24.7103 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 41.0009, 40.4237, 24.7103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

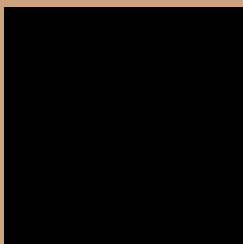
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

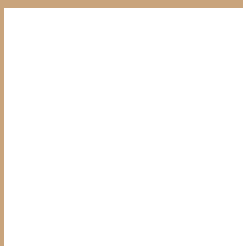
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.0009, 40.4237, 24.7103**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0009, 40.4237, 24.7103.



This preview shows how white text looks on a background with the XYZ color 41.0009, 40.4237,



# 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

41.0009, 40.4237, 24.7103

### Protanopia

37.7339, 40.3490, 25.8780

### Deuteranopia

41.2707, 40.5627, 24.7230



## Tritanopia

44.9362, 40.4778, 43.4748

# Trichromacy



## Original Color

41.0009, 40.4237, 24.7103

## Protanomaly

39.0037, 40.4588, 25.4923

## Deuteranomaly

41.2707, 40.5627, 24.7230

## Tritanomaly

43.2224, 40.2789, 35.6335

# Monochromacy



## Original Color

41.0009, 40.4237, 24.7103

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.1268, 40.2834, 36.2851

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0009, 40.4237, 24.7103 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, 164, 124)` looks like.

```
.text, #text, p{  
    color:rgb(201, 164, 124)  
}
```

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, 164, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 164, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0009, 40.4237, 24.7103 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, 164, 124) }
```



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

```
.border{ border-color:rgb(201, 164, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 164, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 164, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 164, 124);  
box-shadow:4px 4px 4px 4px rgb(201, 164,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0009, 40.4237, 24.7103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 164, 124) }
```

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

```
.background{ background-color: rgb(201,  
164, 124) }
```

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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