

# Converting Colors

XYZ(39.9461, 41.4353, 24.4353)

Have a look what the booklet for  
XYZ(39.9461, 41.4353, 24.4353)  
contains.

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# Color

**XYZ(39.8799, 41.4920,  
24.3192)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1AA7A
RGB	193, 170, 122
RGB Percent	76%, 67%, 48%
CMY	0.2431, 0.3333, 0.5216
CMYK	0.00, 0.12, 0.37, 0.24
HSL	41°, 36%, 62%
HSV	41°, 37%, 76%
XYZ	39.8799, 41.4920, 24.3192
YIQ	171.4050, 29.1160, -10.0520

# Conversions

## Conversions Part 2

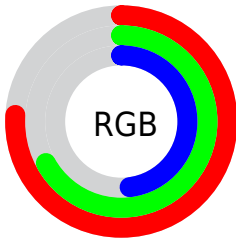
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 193, 122
Decimal	12692090
CIELab	70.52, 1.39, 27.82
CIELCh	71, 27.860, 87.138
Yxy	41.4920, 0.3773, 0.3926
Android (android.graphics.Color)	4290882170 (0xFFC1AA7A)
YUV	171.4050, -24.3567, 18.9388
Hunter-Lab	64.4143, -2.2128, 22.7054

# Details

The XYZ color **39.8799, 41.4920, 24.3192** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.7769, 28.2378, 54.4386**, and the grayscale version is **39.0218, 41.0539, 44.7077**.

A 20% lighter version of the original color is **74.0874, 77.2696, 51.5671**, and **18.1623, 18.8412, 8.9828** is the 20% darker color. If you saturate the color by 10%, you get **37.6570, 38.7737, 18.2529**, and if you desaturate by 10%, it is **42.3981, 44.4206, 31.6566**.

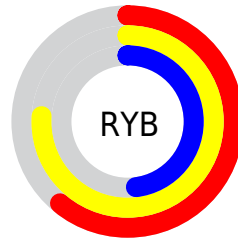
# Distribution



Red (76%)

Green (67%)

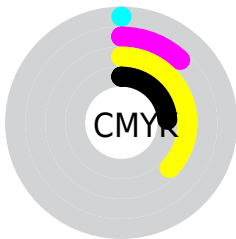
Blue (48%)



Red (61%)

Yellow (76%)

Blue (48%)

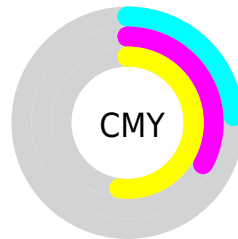


Cyan (0%)

Magenta (12%)

Yellow (37%)

Black (24%)



Cyan (24%)

Magenta (33%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8799, 41.4920, 24.3192 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 39.8799, 41.4920, 24.3192 by changing the saturation by 10% instead.



■ 39.8799, 41.4920,  
24.3192

■ 39.8799, 41.4920,  
24.3192

336.7602,  
352.3727, 287.7687

■ 27.6287, 28.7037,  
15.3562

■ 74.2661, 77.4302,  
51.5009

■ 18.1850, 18.8568,  
8.9204

■ 97.1318, 101.3489,  
70.5567

■ 11.1834, 11.5669,  
4.5932

■ 124.2664,  
129.7466, 93.8139

■ 6.2585, 6.4495,  
1.9561

156.0353,  
163.0076, 121.6909

■ 3.0450, 3.1203,  
0.5281

192.8037,  
201.5163, 154.6064

■ 1.1776, 1.1948,  
0.0000

234.9371,

■ 0.0886, 0.0575,

245.6571, 192.9788

0.0000

282.8008,  
295.8145, 237.2267

■ 0.0000, 0.0000,  
0.0000

■ 39.8799, 41.4920,  
24.3192

■ 39.8799, 41.4920,  
24.3192

■ 37.6570, 38.7737,  
18.2529

■ 42.3981, 44.4206,  
31.6566

■ 35.7115, 36.2527,  
13.3804

■ 45.2222, 47.5605,  
40.3310

■ 34.0279, 33.9232,  
9.6200

■ 48.3661, 50.9198,  
50.4069

■ 32.5877, 31.7765,  
6.8786

■ 51.8417, 54.5045,  
61.9438

■ 31.3697, 29.8027,  
5.0475

■ 55.6603, 58.3202,  
74.9977

■ 30.3454, 27.9892,  
3.9812

■ 59.8326, 62.3724,  
89.6218

■ 30.0404, 27.4335,  
3.7119

■ 64.0287, 66.5301,  
104.0747

■ 65.6389, 69.7505,  
104.6114

■ 67.3105, 73.0937,  
105.1686

# Harmonies

## Analogous

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



44.4299, 41.4920, 27.0768



39.8799, 41.4920, 24.3192



35.5412, 41.4920, 26.1882

# Triad

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



39.8799, 41.4920, 24.3192



32.0828, 41.4920, 57.7351



47.3366, 41.4920, 60.3518

# Complementary

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



39.8799, 41.4920, 24.3192



27.7769, 28.2378, 54.4386

# 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.



43.6073, 41.4920, 71.6550



39.8799, 41.4920, 24.3192



34.8328, 41.4920, 69.9496

# Square

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



39.8799, 41.4920, 24.3192



31.2518, 41.4920, 43.9255



38.9972, 41.4920, 75.4676



48.9393, 41.4920, 46.4536



# Rectangle

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



39.8799, 41.4920, 24.3192



33.3067, 41.4920, 30.0540



38.9972, 41.4920, 75.4676



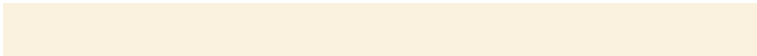
46.2766, 41.4920, 64.6765

# Sweetspot

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



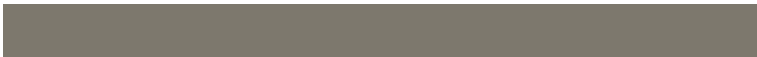
39.8809, 41.4939, 24.3201



84.0828, 88.5102, 82.0489



34.1146, 27.3219, 30.5345



17.8738, 18.8123, 17.0744



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8809, 41.4939, 24.3201



68.2373, 70.4358, 34.7883



41.6782, 49.3892, 25.7493



10.6295, 11.1905, 10.6616



20.0555, 18.3967, 2.4939



0.9269, 0.9156, 0.1279



# Inverse Universe

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



27.7769, 28.2378, 54.4386



43.4840, 43.3437, 96.4346



26.3906, 22.8245, 53.4668



9.7887, 10.2688, 12.7510



7.6316, 5.0197, 34.1233

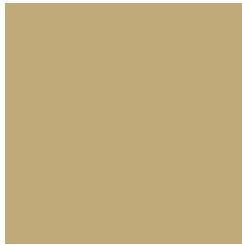


0.3933, 0.3440, 1.4956



# Previews

## White Background



This preview shows how the XYZ color 39.8799, 41.4920, 24.3192 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

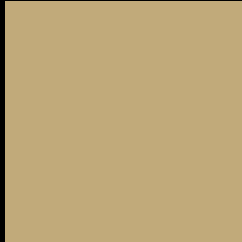
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8799, 41.4920, 24.3192 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

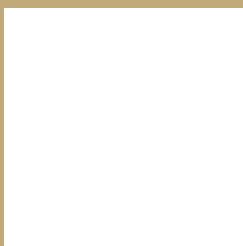
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.8799, 41.4920, 24.3192**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8799, 41.4920, 24.3192.



This preview shows how white text looks on a background with the XYZ color 39.8799, 41.4920,



# 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

39.8799, 41.4920, 24.3192

### Protanopia

38.5774, 41.3742, 24.6917

### Deuteranopia

42.2071, 41.3195, 24.4898



## Tritanopia

44.4869, 41.4711, 46.7343

# Trichromacy



## Original Color

39.8799, 41.4920, 24.3192

## Protanomaly

39.1243, 41.3747, 24.6629

## Deuteranomaly

41.4813, 41.4850, 24.5600

## Tritanomaly

42.6629, 41.5431, 37.2225

# Monochromacy



## Original Color

39.8799, 41.4920, 24.3192

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

38.9031, 41.0094, 36.0022

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8799, 41.4920, 24.3192 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(193, 170, 122)` looks like.

```
.text, #text, p{  
    color:rgb(193, 170, 122)  
}
```

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(193, 170, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 170, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8799, 41.4920, 24.3192 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(193, 170, 122) }
```



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

```
.border{ border-color:rgb(193, 170, 122) }
```

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

Here you see how a box with a 4 pixel rgb(193, 170, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 170, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 170, 122);  
box-shadow:4px 4px 4px 4px rgb(193, 170,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8799, 41.4920, 24.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 170, 122) }
```

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

```
.background{ background-color: rgb(193,  
170, 122) }
```

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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