

# Converting Colors

XYZ(41.5021, 39.6734, 32.7275)

Have a look what the booklet for  
XYZ(41.5021, 39.6734, 32.7275)  
contains.

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# Color

**XYZ(41.4864, 39.7072,  
32.6718)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7A192
RGB	199, 161, 146
RGB Percent	78%, 63%, 57%
CMY	0.2196, 0.3686, 0.4274
CMYK	0.00, 0.19, 0.27, 0.22
HSL	17°, 32%, 68%
HSV	17°, 27%, 78%
XYZ	41.4864, 39.7072, 32.6718
YIQ	170.6520, 27.4630, 3.3910

# Conversions

## Conversions Part 2

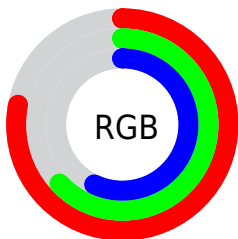
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 167, 146
Decimal	13083026
CIE <sub>Lab</sub>	69.26, 11.78, 13.10
CIE <sub>LCh</sub>	69, 17.619, 48.054
Yxy	39.7072, 0.3643, 0.3487
Android (android.graphics.Color)	4291273106 (0xFFC7A192)
YUV	170.6520, -12.1534, 24.8612
Hunter-Lab	63.0136, 7.2455, 13.3684

# Details

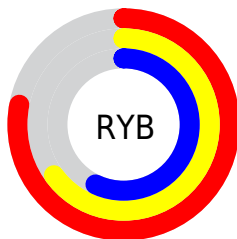
The XYZ color **41.4864, 39.7072, 32.6718** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.3029, 44.5142, 60.5537**, and the grayscale version is **38.5844, 40.5938, 44.2066**.

A 20% lighter version of the original color is **76.2212, 74.5419, 65.0143**, and **19.0358, 17.6928, 13.2382** is the 20% darker color. If you saturate the color by 10%, you get **37.7188, 34.4374, 24.4320**, and if you desaturate by 10%, it is **45.8100, 45.6575, 42.4273**.

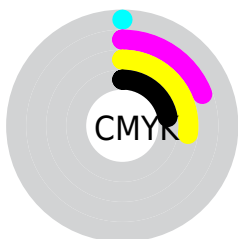
# Distribution



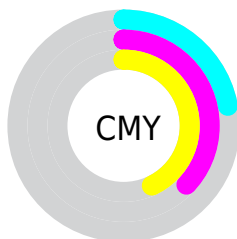
- Red (78%)
- Green (63%)
- Blue (57%)



- Red (78%)
- Yellow (65%)
- Blue (57%)



- Cyan (0%)
- Magenta (19%)
- Yellow (27%)
- Black (22%)




- Cyan (22%)
- Magenta (37%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4864, 39.7072, 32.6718 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 41.4864, 39.7072, 32.6718 by changing the saturation by 10% instead.





 41.4864, 39.7072,  
32.6718


 41.4864, 39.7072,  
32.6718


343.3774,  
344.8879, 328.7548

 28.8887, 27.3103,  
21.6061


 76.6918, 74.7174,  
64.9729

 19.1405, 17.8064,  
13.3722


 100.0301, 98.0996,  
87.0453

 11.8764, 10.8111,  
7.5516


127.6794,  
125.9123, 113.6238

 6.7312, 5.9400,  
3.7258

160.0050,  
158.5400, 145.1267

 3.3394, 2.8086,  
1.4761

197.3723,  
196.3670, 181.9728

 1.3357, 1.0326,  
0.2001

240.1465,

 0.2097, 0.0000,

239.7777, 224.5805

0.0000

288.6931,  
289.1565, 273.3683

■ 0.0000, 0.0000,  
0.0000

■ 41.4864, 39.7072,  
32.6718

■ 41.4864, 39.7072,  
32.6718

■ 37.7188, 34.4374,  
24.4320

■ 45.8100, 45.6575,  
42.4273

■ 34.4807, 29.8178,  
17.6287

■ 50.7086, 52.3060,  
53.7671

■ 31.7479, 25.8243,  
12.1791

■ 56.2040, 59.6767,  
66.7590

■ 29.4927, 22.4287,  
7.9912

■ 62.3159, 67.7908,  
81.4656

■ 27.6850, 19.6007,  
4.9610

■ 69.0631, 76.6687,  
97.9466

■ 26.2903, 17.3069,  
2.9678

■ 74.7430, 85.6416,  
107.1988

■ 25.2662, 15.5093,  
1.8543

■ 77.3633, 90.8822,  
108.0723

■ 24.9838, 15.0032,  
1.5791

# Harmonies

## Analogous

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



43.1403, 39.7072, 38.5932



41.4864, 39.7072, 32.6718



38.8753, 39.7072, 29.7388

# Triad

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



41.4864, 39.7072, 32.6718



32.6750, 39.7072, 40.0957



39.4479, 39.7072, 59.7633

# Complementary

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



41.4864, 39.7072, 32.6718



39.3029, 44.5142, 60.5537

# 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.



36.6280, 39.7072, 60.2969



41.4864, 39.7072, 32.6718



32.8112, 39.7072, 48.2335

# Square

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



41.4864, 39.7072, 32.6718



33.8454, 39.7072, 33.6533



34.2272, 39.7072, 55.8586



41.9236, 39.7072, 54.4806



# Rectangle

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



41.4864, 39.7072, 32.6718



36.9851, 39.7072, 29.5962



34.2272, 39.7072, 55.8586



38.5062, 39.7072, 60.5261

# Sweetspot

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



41.4875, 39.7090, 32.6726



87.4483, 89.7763, 91.0142



42.5753, 36.1975, 50.5684



18.4280, 18.8243, 18.8065



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.



41.4875, 39.7090, 32.6726



68.6746, 63.9987, 48.4718



46.4345, 49.6031, 34.3216



10.8743, 11.1178, 11.1356



16.1301, 9.7774, 1.0371



0.8268, 0.5891, 0.0701

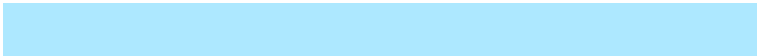


# Inverse Universe

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



39.3029, 44.5142, 60.5537



64.2005, 73.8066, 105.4701



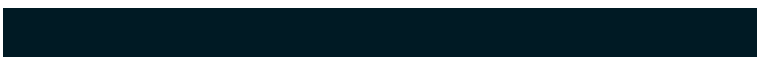
34.4528, 34.8140, 58.9370



10.6832, 11.5404, 13.5820



12.9900, 15.3739, 37.0272



0.6743, 0.8465, 1.7730



# Previews

## White Background



This preview shows how the XYZ color 41.4864, 39.7072, 32.6718 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

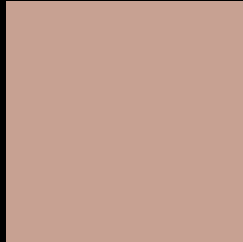
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4864, 39.7072, 32.6718 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

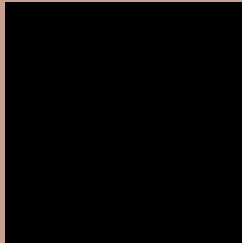
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.4864, 39.7072, 32.6718**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4864, 39.7072, 32.6718.



This preview shows how white text looks on a background with the XYZ color 41.4864, 39.7072,

32.6718.

# 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

41.4864, 39.7072, 32.6718

### Protanopia

37.8244, 39.9251, 34.5669

### Deuteranopia

40.5336, 39.7390, 32.7282



## Tritanopia

43.8397, 39.9126, 43.4235

# Trichromacy



## Original Color

41.4864, 39.7072, 32.6718

## Protanomaly

39.0686, 39.7567, 34.0484

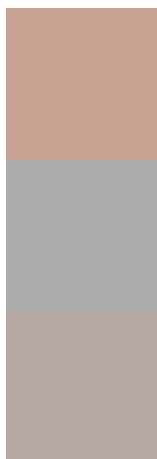
## Deuteranomaly

40.8736, 39.6517, 32.6934

## Tritanomaly

42.9186, 39.7870, 39.1358

# Monochromacy



## Original Color

41.4864, 39.7072, 32.6718

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.3964, 40.0698, 39.8403

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4864, 39.7072, 32.6718 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(199, 161, 146)` looks like.

```
.text, #text, p{  
    color:rgb(199, 161, 146)  
}
```

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(199, 161, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 161, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4864, 39.7072, 32.6718 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(199, 161, 146) }
```



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

```
.border{ border-color:rgb(199, 161, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 161, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 161, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 161, 146);  
box-shadow:4px 4px 4px 4px rgb(199, 161,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4864, 39.7072, 32.6718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 161, 146) }
```

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

```
.background{ background-color: rgb(199,  
161, 146) }
```

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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