

# Converting Colors

XYZ(39.4324, 39.8866, 31.2517)

Have a look what the booklet for  
XYZ(39.4324, 39.8866, 31.2517)  
contains.

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# Color

**XYZ(39.5050, 40.0442,  
31.2384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDA68E
RGB	189, 166, 142
RGB Percent	74%, 65%, 56%
CMY	0.2588, 0.3490, 0.4431
CMYK	0.00, 0.12, 0.25, 0.26
HSL	31°, 26%, 65%
HSV	31°, 25%, 74%
XYZ	39.5050, 40.0442, 31.2384
YIQ	170.1410, 21.4120, -2.5880

# Conversions

## Conversions Part 2

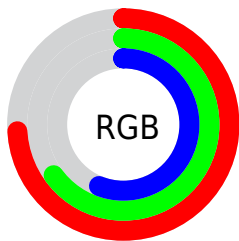
Format	Color
<a href="#">RYB</a>	<a href="#">187, 189, 142</a>
Decimal	<a href="#">12428942</a>
CIELab	<a href="#">69.50, 4.60, 15.51</a>
CIElCh	<a href="#">70, 16.176, 73.465</a>
Yxy	<a href="#">40.0442, 0.3566, 0.3615</a>
Android (android.graphics.Color)	<a href="#">4290619022 (0xFFBDA68E)</a>
YUV	<a href="#">170.1410, -13.8735, 16.5393</a>
Hunter-Lab	<a href="#">63.2805, 0.6939, 15.0278</a>

# Details

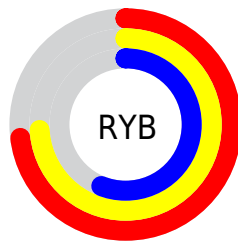
The XYZ color **39.5050, 40.0442, 31.2384** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **33.7957, 36.3344, 53.3765**, and the grayscale version is **38.3392, 40.3358, 43.9257**.

A 20% lighter version of the original color is **73.8263, 75.2913, 62.8662**, and **17.9408, 17.9582, 12.6459** is the 20% darker color. If you saturate the color by 10%, you get **36.5838, 36.2833, 23.8474**, and if you desaturate by 10%, it is **42.7898, 44.1468, 39.9386**.

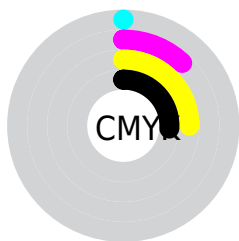
# Distribution



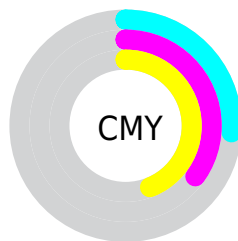
- Red (74%)
- Green (65%)
- Blue (56%)



- Red (73%)
- Yellow (74%)
- Blue (56%)



- Cyan (0%)
- Magenta (12%)
- Yellow (25%)
- Black (26%)




- Cyan (26%)
- Magenta (35%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5050, 40.0442, 31.2384 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 39.5050, 40.0442, 31.2384 by changing the saturation by 10% instead.





 39.5050, 40.0442,  
31.2384


 39.5050, 40.0442,  
31.2384


335.2031,  
346.3098, 322.0203


 27.3353, 27.5730,  
20.5205


 73.6983, 75.2308,  
62.6992

 17.9631, 18.0040,  
12.5861


 96.4526, 98.7150,  
84.2791

 11.0230, 10.9529,  
7.0168


 123.4658,  
126.6390, 110.3168

 6.1497, 6.0352,  
3.3940

155.1033,  
159.3872, 141.2308

 2.9779, 2.8665,  
1.2992

191.7304,  
197.3440, 177.4395

 1.1421, 1.0624,  
0.0611

233.7125,

 0.0599, 0.0000,

240.8938, 219.3617

0.0000

281.4150,  
290.4209, 267.4158

■ 0.0000, 0.0000,  
0.0000

■ 39.5050, 40.0442,  
31.2384

■ 39.5050, 40.0442,  
31.2384

■ 36.5838, 36.2833,  
23.8474

■ 42.7898, 44.1468,  
39.9386

■ 34.0085, 32.8487,  
17.6984

■ 46.4489, 48.5950,  
50.0058

■ 31.7642, 29.7318,  
12.7219

■ 50.4962, 53.3997,  
61.4971

■ 29.8338, 26.9213,  
8.8404

■ 54.9439, 58.5694,  
74.4659

■ 28.1981, 24.4051,  
5.9671

■ 59.8039, 64.1124,  
88.9626

■ 26.8354, 22.1699,  
4.0015

■ 65.0224, 70.0109,  
104.6941

■ 25.7197, 20.2004,  
2.8221

■ 67.5389, 75.0438,  
105.5330

■ 25.2174, 19.2808,  
2.3925

■ 70.1921, 80.3502,  
106.4174

■ 72.9840, 85.9341,  
107.3480

# Harmonies

## Analogous

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



41.8154, 40.0442, 34.4542



39.5050, 40.0442, 31.2384



36.9057, 40.0442, 31.0794

# Triad

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



39.5050, 40.0442, 31.2384



33.3920, 40.0442, 47.0297



41.6136, 40.0442, 54.8703

# Complementary

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



39.5050, 40.0442, 31.2384



33.7957, 36.3344, 53.3765

# 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.



39.2398, 40.0442, 59.1024



39.5050, 40.0442, 31.2384



34.5380, 40.0442, 54.2391

# Square

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



39.5050, 40.0442, 31.2384



33.4557, 40.0442, 39.6427



36.6523, 40.0442, 58.8591



43.0702, 40.0442, 47.8150



# Rectangle

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



39.5050, 40.0442, 31.2384



35.3635, 40.0442, 32.6903



36.6523, 40.0442, 58.8591



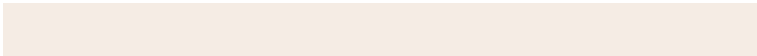
40.8919, 40.0442, 56.7045

# Sweetspot

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



39.5061, 40.0460, 31.2392



81.6587, 85.1898, 85.2939



37.4969, 32.9002, 40.2110



17.4739, 18.2152, 18.1022



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



39.5061, 40.0460, 31.2392



67.7393, 67.8661, 48.2375



44.0667, 49.1674, 32.7595



9.9221, 10.3202, 10.0457



17.0436, 13.1261, 1.6353



0.7329, 0.6448, 0.0858

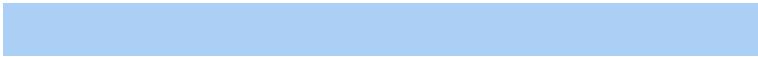


# Inverse Universe

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



33.7957, 36.3344, 53.3765



55.7080, 60.0467, 94.8802



30.0142, 28.7715, 52.1160



9.3915, 9.9753, 12.1026



8.8590, 7.8298, 33.4373



0.4125, 0.4377, 1.3316



# Previews

## White Background



This preview shows how the XYZ color 39.5050, 40.0442, 31.2384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

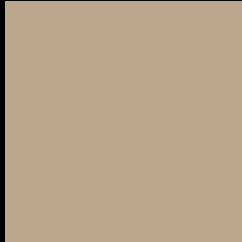
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.5050, 40.0442, 31.2384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

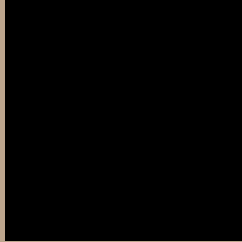
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.5050, 40.0442, 31.2384**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5050, 40.0442, 31.2384.



This preview shows how white text looks on a background with the XYZ color 39.5050, 40.0442,



# 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

39.5050, 40.0442, 31.2384

### Protanopia

37.8124, 39.9733, 32.1082

### Deuteranopia

40.8201, 39.9133, 31.5392



## Tritanopia

42.3772, 39.8832, 45.5091

# Trichromacy



## Original Color

39.5050, 40.0442, 31.2384

## Protanomaly

38.4890, 40.0557, 31.6895

## Deuteranomaly

40.2257, 39.8715, 31.5625

## Tritanomaly

41.3570, 40.0095, 39.7253

# Monochromacy



## Original Color

39.5050, 40.0442, 31.2384

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.6646, 40.2611, 38.9910

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5050, 40.0442, 31.2384 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(189, 166, 142)` looks like.

```
.text, #text, p{  
    color:rgb(189, 166, 142)  
}
```

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(189, 166, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 166, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5050, 40.0442, 31.2384 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(189, 166, 142) }
```



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

```
.border{ border-color:rgb(189, 166, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 166, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 166, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 166, 142);  
box-shadow:4px 4px 4px 4px rgb(189, 166,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5050, 40.0442, 31.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 166, 142) }
```

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

```
.background{ background-color: rgb(189,  
166, 142) }
```

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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