

# Converting Colors

XYZ(38.9742, 40.3103, 44.4640)

Have a look what the booklet for  
XYZ(38.9742, 40.3103, 44.4640)  
contains.

<b>XYZ(38.9942, 40.3149, 44.2544)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(38.9942, 40.3149,  
44.2544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEA9AB
RGB	174, 169, 171
RGB Percent	68%, 66%, 67%
CMY	0.3176, 0.3372, 0.3294
CMYK	0.00, 0.03, 0.02, 0.32
HSL	336°, 3%, 67%
HSV	336°, 3%, 68%
XYZ	38.9942, 40.3149, 44.2544
YIQ	170.7230, 2.3380, 1.6820

# Conversions

## Conversions Part 2

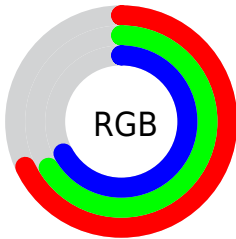
Format	Color
<a href="#">RYB</a>	<a href="#">174, 169, 171</a>
Decimal	<a href="#">11446699</a>
CIELab	<a href="#">69.69, 2.16, -0.40</a>
CIELCh	<a href="#">70, 2.197, 349.483</a>
Yxy	<a href="#">40.3149, 0.3156, 0.3263</a>
Android (android.graphics.Color)	<a href="#">4289636779</a> ( <a href="#">0xFFAEA9AB</a> )
YUV	<a href="#">170.7230, 0.1366, 2.8739</a>
Hunter-Lab	<a href="#">63.4940, -1.4906, 3.1215</a>

# Details

The XYZ color **38.9942, 40.3149, 44.2544** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9461, 41.6867, 45.0255**, and the grayscale version is **38.5692, 40.5778, 44.1893**.

A 20% lighter version of the original color is **72.6962, 75.4603, 82.6853**, and **17.7171, 18.1921, 20.0304** is the 20% darker color. If you saturate the color by 10%, you get **35.0137, 33.8845, 38.2077**, and if you desaturate by 10%, it is **43.4865, 47.6418, 50.8610**.

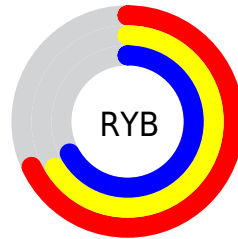
# Distribution



Red (68%)

Green (66%)

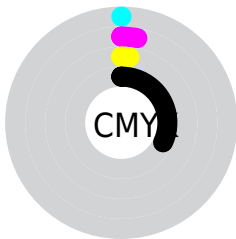
Blue (67%)



Red (68%)

Yellow (66%)

Blue (67%)

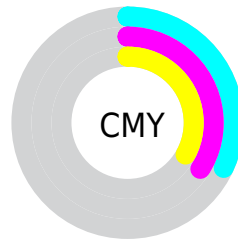


Cyan (0%)

Magenta (3%)

Yellow (2%)

Black (32%)



Cyan (32%)

Magenta (34%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9942, 40.3149, 44.2544 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 38.9942, 40.3149, 44.2544 by changing the saturation by 10% instead.



■ 38.9942, 40.3149,  
44.2544

■ 38.9942, 40.3149,  
44.2544

333.0734,  
347.4490, 379.8171

■ 26.9359, 27.7842,  
30.5319

■ 72.9236, 75.6428,  
82.9070

■ 17.6614, 18.1630,  
19.9872

■ 95.5254, 99.2087,  
108.6741

■ 10.8054, 11.0671,  
12.2017

122.3724,  
127.2218, 139.2932

■ 6.0025, 6.1120,  
6.7570

153.8301,  
160.0665, 175.1828

■ 2.8873, 2.9133,  
3.2345

190.2636,  
198.1272, 216.7615

■ 1.0944, 1.0866,  
1.2156

232.0384,

■ 0.0204, 0.0000,

241.7883, 264.4477

0.0000

279.5199,  
291.4341, 318.6601

0.0000, 0.0000,  
0.0000

38.9942, 40.3149,  
44.2544

38.9942, 40.3149,  
44.2544

35.0137, 33.8845,  
38.2077

43.4865, 47.6418,  
50.8610

31.5229, 28.3110,  
32.7031

48.5049, 55.8927,  
58.0395

28.5030, 23.5592,  
27.7256

54.0673, 65.1002,  
65.8045

25.9328, 19.5899,  
23.2586

60.1898, 75.2938,  
74.1697

23.7893, 16.3603,  
19.2842

66.5665, 85.8591,  
83.0409

■ 22.0474, 13.8236,  
15.7838

■ 68.0210, 86.4409,  
90.7003

■ 20.6792, 11.9276,  
12.7371

■ 69.5640, 87.0581,  
98.8256

■ 19.6530, 10.6126,  
10.1219

■ 71.1970, 87.7113,  
107.4245

■ 18.9312, 9.8072,  
7.9134

■ 71.2658, 87.7388,  
107.7869

# Harmonies

## Analogous

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



38.8402, 40.3149, 45.1804



38.9942, 40.3149, 44.2544



38.9662, 40.3149, 43.2463

# Triad

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



38.9942, 40.3149, 44.2544



38.0905, 40.3149, 42.0760



37.8757, 40.3149, 45.4014

# Complementary

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



38.9942, 40.3149, 44.2544



38.9461, 41.6867, 45.0255

# 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.



37.6772, 40.3149, 44.5523



38.9942, 40.3149, 44.2544



37.8007, 40.3149, 42.6363

# Square

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



38.9942, 40.3149, 44.2544



38.4430, 40.3149, 41.9991



37.6499, 40.3149, 43.5397



38.1935, 40.3149, 45.8494



# Rectangle

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



38.9942, 40.3149, 44.2544



38.8482, 40.3149, 42.6629



37.6499, 40.3149, 43.5397



37.7929, 40.3149, 45.1528

# Sweetspot

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



38.9953, 40.3166, 44.2553



72.1726, 75.4690, 82.4181



38.8426, 40.2045, 45.7579



16.0507, 16.7894, 18.3325



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



38.9953, 40.3166, 44.2553



70.5939, 72.9038, 80.0660



38.8995, 40.4273, 43.2913



8.6381, 8.8837, 9.7744



13.4796, 6.8544, 4.9049



0.4025, 0.2017, 0.2811



# Inverse Universe

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



38.9953, 40.3166, 44.2553



70.5939, 72.9038, 80.0660



39.0431, 41.5713, 46.0112



8.6381, 8.8837, 9.7744



13.4796, 6.8544, 4.9049



0.4025, 0.2017, 0.2811



# Previews

## White Background



This preview shows how the XYZ color 38.9942, 40.3149, 44.2544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

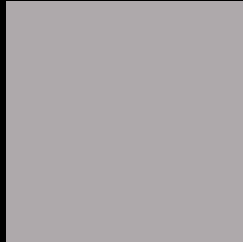
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.9942, 40.3149, 44.2544 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

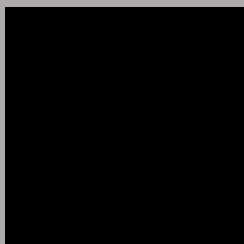
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

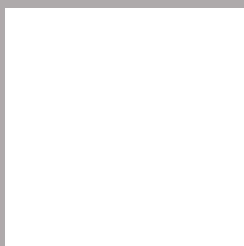
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.9942, 40.3149, 44.2544**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9942, 40.3149, 44.2544.



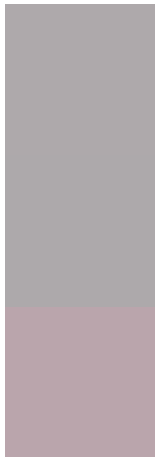
This preview shows how white text looks on a background with the XYZ color 38.9942, 40.3149,



# 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

38.9942, 40.3149, 44.2544

### Protanopia

38.7722, 40.2004, 44.2440

### Deuteranopia

41.1512, 40.3279, 44.6449



## Tritanopia

39.8384, 40.0876, 49.3540

# Trichromacy



## Original Color

38.9942, 40.3149, 44.2544

## Protanomaly

38.7722, 40.2004, 44.2440

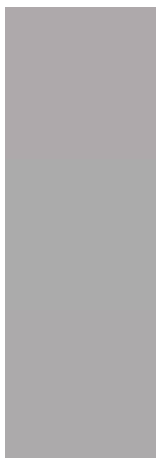
## Deuteranomaly

40.3740, 40.1961, 44.6604

## Tritanomaly

39.6176, 40.2935, 47.2843

# Monochromacy



## Original Color

38.9942, 40.3149, 44.2544

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

38.7387, 40.4604, 44.2960

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9942, 40.3149, 44.2544 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(174, 169, 171)` looks like.

```
.text, #text, p{  
    color:rgb(174, 169, 171)  
}
```

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(174, 169, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 169, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9942, 40.3149, 44.2544 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(174, 169, 171) }
```



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

```
.border{ border-color:rgb(174, 169, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 169, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 169, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 169, 171);  
box-shadow:4px 4px 4px 4px rgb(174, 169,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9942, 40.3149, 44.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 169, 171) }
```

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

```
.background{ background-color: rgb(174,  
169, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor