

# Converting Colors

XYZ(34.9881, 39.8618, 40.6160)

Have a look what the booklet for  
XYZ(34.9881, 39.8618, 40.6160)  
contains.

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# Color

**XYZ(34.8838, 39.6888,  
40.4725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99AEA3
RGB	153, 174, 163
RGB Percent	60%, 68%, 64%
CMY	0.4000, 0.3176, 0.3608
CMYK	0.12, 0.00, 0.06, 0.32
HSL	149°, 11%, 64%
HSV	149°, 12%, 68%
XYZ	34.8838, 39.6888, 40.4725
YIQ	166.4670, -8.9850, -7.8730

# Conversions

## Conversions Part 2

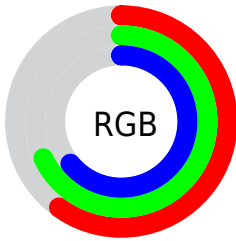
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 167, 174
Decimal	10071715
CIELab	69.25, -9.46, 3.18
CIELCh	69, 9.979, 161.438
Yxy	39.6888, 0.3032, 0.3450
Android (android.graphics.Color)	4288261795 (0xFF99AEA3)
YUV	166.4670, -1.7092, -11.8106
Hunter-Lab	62.9990, -11.4094, 6.0096

# Details

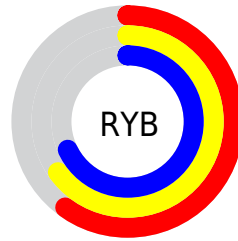
The XYZ color **34.8838, 39.6888, 40.4725** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.5491, 34.4625, 39.9021**, and the grayscale version is **36.4837, 38.3837, 41.7998**.

A 20% lighter version of the original color is **66.4063, 74.3660, 77.1837**, and **15.3083, 17.8915, 17.6855** is the 20% darker color. If you saturate the color by 10%, you get **31.0487, 37.8038, 36.1825**, and if you desaturate by 10%, it is **39.2590, 41.8476, 45.0968**.

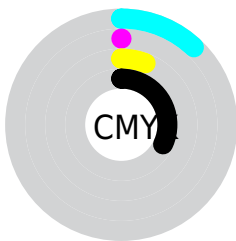
# Distribution



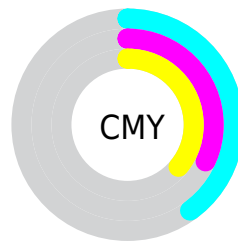
- Red (60%)
- Green (68%)
- Blue (64%)



- Red (60%)
- Yellow (65%)
- Blue (68%)



- Cyan (12%)
- Magenta (0%)
- Yellow (6%)
- Black (32%)



- Cyan (40%)
- Magenta (32%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8838, 39.6888, 40.4725 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 34.8838, 39.6888, 40.4725 by changing the saturation by 10% instead.



■ 34.8838, 39.6888,  
40.4725

■ 34.8838, 39.6888,  
40.4725

315.5721,  
344.8102, 363.7222

■ 23.7395, 27.2960,  
27.5906

■ 66.6409, 74.6894,  
77.1274

■ 15.2642, 17.7956,  
17.7809

■ 87.9844, 98.0660,  
101.7375

■ 9.0925, 10.8034,  
10.6250

113.4584,  
125.8726, 131.0940

■ 4.8592, 5.9348,  
5.7043

143.4281,  
158.4937, 165.6155

■ 2.1988, 2.8055,  
2.6002

178.2590,  
196.3135, 205.7205

■ 0.7421, 1.0310,  
0.8926

218.3164,

■ 0.0000, 0.0000,

239.7167, 251.8276

0.0000

263.9657,  
289.0874, 304.3554

■ 34.8838, 39.6888,  
40.4725

■ 34.8838, 39.6888,  
40.4725

■ 31.0487, 37.8038,  
36.1825

■ 39.2590, 41.8476,  
45.0968

■ 27.7284, 36.1765,  
32.2167

■ 44.1915, 44.2856,  
50.0600

■ 24.9007, 34.7966,  
28.5682

■ 49.7019, 47.0145,  
55.3699

■ 22.5403, 33.6512,  
25.2290

■ 55.8087, 50.0437,  
61.0332

■ 20.6194, 32.7262,  
22.1907

■ 62.5296, 53.3821,  
67.0566

■ 19.1074, 32.0060,  
19.4443

■ 68.9917, 56.5796,  
73.4047

■ 17.9693, 31.4726,  
16.9806

■ 70.2157, 57.0692,  
79.8501

■ 17.1636, 31.1049,  
14.7894

■ 71.5063, 57.5854,  
86.6462

■ 16.6924, 30.8959,  
13.2369

■ 72.8645, 58.1287,  
93.7983

# Harmonies

## Analogous

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



35.7253, 39.6888, 36.9458



34.8838, 39.6888, 40.4725



34.7901, 39.6888, 44.9835

# Triad

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



34.8838, 39.6888, 40.4725



38.3358, 39.6888, 52.4286



40.0743, 39.6888, 37.6468

# Complementary

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



34.8838, 39.6888, 40.4725



35.5491, 34.4625, 39.9021

# 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.



40.8163, 39.6888, 41.4922



34.8838, 39.6888, 40.4725



39.7938, 39.6888, 50.1546

# Square

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



34.8838, 39.6888, 40.4725



36.7531, 39.6888, 52.1072



40.7123, 39.6888, 46.0773



38.7099, 39.6888, 35.3956



# Rectangle

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



34.8838, 39.6888, 40.4725



35.1610, 39.6888, 47.9699



40.7123, 39.6888, 46.0773



40.4065, 39.6888, 38.7840

# Sweetspot

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



34.8849, 39.6905, 40.4734



69.5415, 75.0809, 80.0707



36.2384, 40.4877, 36.0425



15.3209, 16.6207, 17.6553



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.



34.8849, 39.6905, 40.4734



61.6778, 71.2049, 71.6655



35.8462, 40.0750, 45.5355



8.0573, 9.0005, 9.3268



12.1361, 22.4197, 9.7564



0.3654, 0.6348, 0.4177



# Inverse Universe

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



35.5491, 34.4625, 39.9021



63.0788, 60.1768, 70.4602



34.6558, 34.1051, 35.1980



8.1739, 8.0828, 9.2266



14.0652, 7.0886, 7.9889



0.4187, 0.2082, 0.3667



# Previews

## White Background



This preview shows how the XYZ color 34.8838, 39.6888, 40.4725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

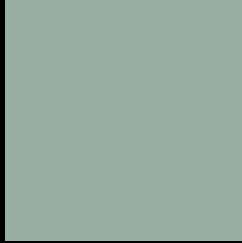
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.8838, 39.6888, 40.4725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

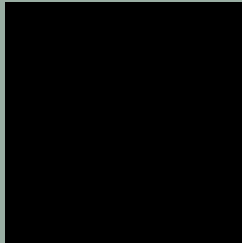
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.8838, 39.6888, 40.4725**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8838, 39.6888, 40.4725.



This preview shows how white text looks on a background with the XYZ color 34.8838, 39.6888,

40.4725.

# 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

34.8838, 39.6888, 40.4725

### Protanopia

37.8034, 39.5420, 38.8976

### Deuteranopia

40.1384, 39.3501, 41.0771



## Tritanopia

37.1193, 39.7546, 51.0644

# Trichromacy



## Original Color

34.8838, 39.6888, 40.4725

## Protanomaly

36.5336, 39.4297, 39.4034

## Deuteranomaly

37.9751, 39.3164, 40.7093

## Tritanomaly

36.2993, 39.7076, 46.8254

# Monochromacy



## Original Color

34.8838, 39.6888, 40.4725

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.6774, 38.6696, 41.1809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8838, 39.6888, 40.4725 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(153, 174, 163)` looks like.

```
.text, #text, p{  
    color:rgb(153, 174, 163)  
}
```

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(153, 174, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8838, 39.6888, 40.4725 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(153, 174, 163) }
```



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

```
.border{ border-color:rgb(153, 174, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 174, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 174, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 174, 163);  
box-shadow:4px 4px 4px 4px rgb(153, 174,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8838, 39.6888, 40.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 174, 163) }
```

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

```
.background{ background-color: rgb(153,  
174, 163) }
```

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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