

# Converting Colors

XYZ(35.4634, 39.5388, 40.2346)

Have a look what the booklet for  
XYZ(35.4634, 39.5388, 40.2346)  
contains.

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# Color

**XYZ(35.4639, 39.4185,  
40.3897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EACA3
RGB	158, 172, 163
RGB Percent	62%, 67%, 64%
CMY	0.3804, 0.3255, 0.3608
CMYK	0.08, 0.00, 0.05, 0.33
HSL	141°, 8%, 65%
HSV	141°, 8%, 67%
XYZ	35.4639, 39.4185, 40.3897
YIQ	166.7880, -5.4550, -5.7670

# Conversions

## Conversions Part 2

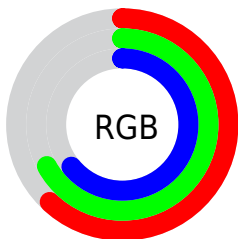
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 168, 172
Decimal	10398883
CIELab	69.05, -6.65, 2.94
CIELCh	69, 7.271, 156.149
Yxy	39.4185, 0.3077, 0.3420
Android (android.graphics.Color)	4288588963 (0xFF9EACA3)
YUV	166.7880, -1.8675, -7.7071
Hunter-Lab	62.7842, -9.0458, 5.8070

# Details

The XYZ color **35.4639, 39.4185, 40.3897** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2166, 36.0153, 41.6039**, and the grayscale version is **36.6390, 38.5471, 41.9778**.

A 20% lighter version of the original color is **67.5645, 74.1463, 77.0803**, and **15.6491, 17.7064, 17.6318** is the 20% darker color. If you saturate the color by 10%, you get **31.3667, 37.4170, 35.2502**, and if you desaturate by 10%, it is **40.1235, 41.7022, 46.0095**.

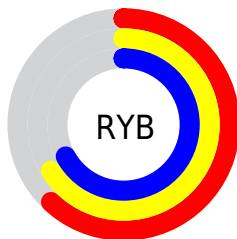
# Distribution



Red (62%)

Green (67%)

Blue (64%)



Red (62%)

Yellow (66%)

Blue (67%)

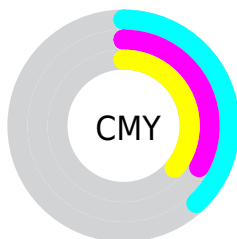


Cyan (8%)

Magenta (0%)

Yellow (5%)

Black (33%)



Cyan (38%)

Magenta (33%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4639, 39.4185, 40.3897 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 35.4639, 39.4185, 40.3897 by changing the saturation by 10% instead.



■ 35.4639, 39.4185,  
40.3897

■ 35.4639, 39.4185,  
40.3897

318.0835,  
343.6665, 363.3642

■ 24.1886, 27.0854,  
27.5264

■ 67.5331, 74.2772,  
77.0001

■ 15.5991, 17.6374,  
17.7331

■ 89.0577, 97.5717,  
101.5844

■ 9.3300, 10.6900,  
10.5910

114.7295,  
125.2887, 130.9127

■ 5.0158, 5.8588,  
5.6819

144.9139,  
157.8127, 165.4036

■ 2.2914, 2.7594,  
2.5870

179.9761,  
195.5281, 205.4757

■ 0.7903, 1.0074,  
0.8857

220.2815,

■ 0.0000, 0.0000,

238.8193, 251.5474

0.0000

266.1955,  
288.0706, 304.0374

■ 35.4639, 39.4185,  
40.3897

■ 35.4639, 39.4185,  
40.3897

■ 31.3667, 37.4170,  
35.2502

■ 40.1235, 41.7022,  
46.0095

■ 27.8069, 35.6816,  
30.5759

■ 45.3628, 44.2733,  
52.1190

■ 24.7624, 34.2024,  
26.3545

■ 51.2024, 47.1435,  
58.7309

■ 22.2081, 32.9666,  
22.5724

■ 57.6608, 50.3219,  
65.8562

■ 20.1170, 31.9608,  
19.2151

■ 64.7559, 53.8175,  
73.5059

■ 18.4592, 31.1697,  
16.2675

■ 70.1853, 56.4434,  
81.5819

■ 17.2012, 30.5764,  
13.7135

■ 71.7825, 57.0823,  
89.9924

■ 16.3041, 30.1612,  
11.5357

■ 73.4798, 57.7612,  
98.9306

■ 15.7039, 29.8914,  
9.7146

■ 74.0433, 57.9866,  
101.8978

# Harmonies

## Analogous

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



36.1664, 39.4185, 37.9681



35.4639, 39.4185, 40.3897



35.2930, 39.4185, 43.6075

# Triad

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



35.4639, 39.4185, 40.3897



37.7054, 39.4185, 49.5861



39.2953, 39.4185, 39.2629

# Complementary

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



35.4639, 39.4185, 40.3897



36.2166, 36.0153, 41.6039

# 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.



39.7266, 39.4185, 42.2398



35.4639, 39.4185, 40.3897



38.7966, 39.4185, 48.2848

# Square

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



35.4639, 39.4185, 40.3897



36.5718, 39.4185, 49.0283



39.5423, 39.4185, 45.5539



38.3748, 39.4185, 37.3414



# Rectangle

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



35.4639, 39.4185, 40.3897



35.5003, 39.4185, 45.7957



39.5423, 39.4185, 45.5539



39.5031, 39.4185, 40.1673

# Sweetspot

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



35.4650, 39.4202, 40.3906



69.3717, 73.9764, 79.3892



36.8830, 40.2020, 38.1640



15.0971, 16.0871, 17.2784



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



35.4650, 39.4202, 40.3906



62.7391, 70.7294, 71.3006



36.1006, 39.6744, 43.7376



8.0182, 8.9849, 9.1210



11.6377, 22.2203, 7.1317



0.3503, 0.6288, 0.3382



# Inverse Universe

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



36.2166, 36.0153, 41.6039



64.4205, 63.1115, 74.0148



35.5952, 35.7668, 38.3318



8.2138, 8.0988, 9.4367



14.8056, 7.3848, 11.8876



0.4367, 0.2154, 0.4614



# Previews

## White Background



This preview shows how the XYZ color 35.4639, 39.4185, 40.3897 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 35.4639, 39.4185, 40.3897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

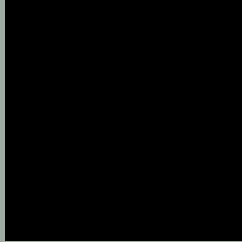
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

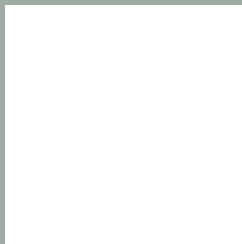
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.4639, 39.4185, 40.3897**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4639, 39.4185, 40.3897.



This preview shows how white text looks on a background with the XYZ color 35.4639, 39.4185,



# 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

35.4639, 39.4185, 40.3897

### Protanopia

37.6692, 39.4627, 39.3499

### Deuteranopia

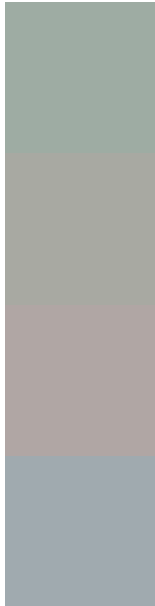
40.1384, 39.3501, 41.0771



## Tritanopia

37.3294, 39.3304, 49.8800

# Trichromacy



## Original Color

35.4639, 39.4185, 40.3897

## Protanomaly

36.8580, 39.3094, 39.8273

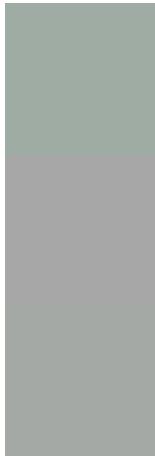
## Deuteranomaly

38.2416, 39.1829, 40.6695

## Tritanomaly

36.6098, 39.3182, 46.2171

# Monochromacy



## Original Color

35.4639, 39.4185, 40.3897

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

36.3807, 39.0216, 41.6908

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4639, 39.4185, 40.3897 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(158, 172, 163)` looks like.

```
.text, #text, p{  
    color:rgb(158, 172, 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(158, 172, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 172, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4639, 39.4185, 40.3897 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(158, 172, 163) }
```



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

```
.border{ border-color:rgb(158, 172, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 172, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 172, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 172, 163);  
box-shadow:4px 4px 4px 4px rgb(158, 172,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4639, 39.4185, 40.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 172, 163) }
```

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

```
.background{ background-color: rgb(158,  
172, 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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