

Converting Colors

XYZ(33.8935, 39.0622, 32.0707)

Have a look what the booklet for
XYZ(33.8935, 39.0622, 32.0707)
contains.

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Color

**XYZ(33.8822, 39.0689,
32.1408)**

Conversions

Conversions Part 1

Format	Color
Hex	9DAD90
RGB	157, 173, 144
RGB Percent	62%, 68%, 56%
CMY	0.3843, 0.3216, 0.4353
CMYK	0.09, 0.00, 0.17, 0.32
HSL	93°, 15%, 62%
HSV	93°, 17%, 68%
XYZ	33.8822, 39.0689, 32.1408
YIQ	164.9100, -0.2270, -12.4110

Conversions

Conversions Part 2

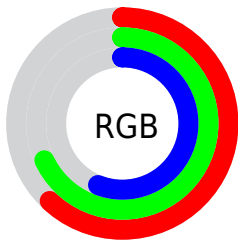
Format	Color
RYB	144, 173, 160
Decimal	10333584
CIELab	68.80, -11.00, 13.04
CIElCh	69, 17.059, 130.136
Yxy	39.0689, 0.3224, 0.3718
Android (android.graphics.Color)	4288523664 (0xFF9DAD90)
YUV	164.9100, -10.3086, -6.9371
Hunter-Lab	62.5051, -12.6243, 13.2660

Details

The XYZ color **33.8822, 39.0689, 32.1408** is a light color, and the websafe version is hex **999966**. A complement of this color would be **32.0150, 30.4384, 43.7252**, and the grayscale version is **35.7699, 37.6327, 40.9820**.

A 20% lighter version of the original color is **65.0878, 73.5611, 64.1943**, and **14.8016, 17.5471, 13.1965** is the 20% darker color. If you saturate the color by 10%, you get **30.8699, 37.6584, 25.6184**, and if you desaturate by 10%, it is **37.2448, 40.6389, 39.7390**.

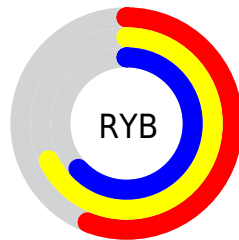
Distribution



Red (62%)

Green (68%)

Blue (56%)



Red (56%)

Yellow (68%)

Blue (63%)

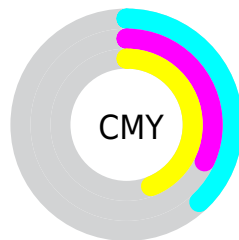


Cyan (9%)

Magenta (0%)

Yellow (17%)

Black (32%)



Cyan (38%)

Magenta (32%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8822, 39.0689, 32.1408 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 33.8822, 39.0689, 32.1408 by changing the saturation by 10% instead.

■ 33.8822, 39.0689,
32.1408

■ 33.8822, 39.0689,
32.1408

311.2016,
342.1833, 326.2726

■ 22.9656, 26.8133,
21.2034

■ 65.0959, 73.7436,
64.1322

■ 14.6886, 17.4331,
13.0800

■ 86.1238, 96.9314,
86.0233

■ 8.6861, 10.5437,
7.3523

111.2527,
124.5322, 112.4026

■ 4.5924, 5.7609,
3.6016

140.8481,
156.9303, 143.6888

■ 2.0425, 2.7003,
1.4094

175.2754,
194.5100, 180.3004

■ 0.6576, 0.9773,
0.1491

214.8998,

■ 0.0000, 0.0000,

237.6559, 222.6558

0.0000

260.0868,
286.7522, 271.1737

■ 33.8822, 39.0689,
32.1408

■ 33.8822, 39.0689,
32.1408

■ 30.8699, 37.6584,
25.6184

■ 37.2448, 40.6389,
39.7390

■ 28.1923, 36.3970,
20.1207

■ 40.9665, 42.3684,
48.4560

■ 25.8370, 35.2805,
15.5962


■ 45.0594, 44.2639,
58.3354


■ 23.7899, 34.3029,
11.9880


■ 49.5343, 46.3301,
69.4179


■ 22.0352, 33.4575,
9.2331


■ 54.4013, 48.5714,
81.7422


 20.5556, 32.7368,
7.2607


 59.6703, 50.9921,
95.3451


 19.3316, 32.1327,
5.9886

 63.6808, 52.9282,
101.4676

 18.3367, 31.6340,
5.3003

 66.7202, 54.4951,
101.6098

 18.0487, 31.4891,
5.1267

 69.9284, 56.1490,
101.7599

Harmonies

Analogous

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



36.2263, 39.0689, 29.5006



33.8822, 39.0689, 32.1408



32.4554, 39.0689, 37.6777

Triad

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



33.8822, 39.0689, 32.1408



35.3950, 39.0689, 58.1366



42.4907, 39.0689, 39.9724

Complementary

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



33.8822, 39.0689, 32.1408



32.0150, 30.4384, 43.7252

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.



42.2415, 39.0689, 47.8022



33.8822, 39.0689, 32.1408



38.0563, 39.0689, 58.9452

Square

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



33.8822, 39.0689, 32.1408



33.2990, 39.0689, 52.8776



40.5871, 39.0689, 54.9689



41.2523, 39.0689, 33.6449

Rectangle

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



33.8822, 39.0689, 32.1408



32.1735, 39.0689, 42.5747



40.5871, 39.0689, 54.9689



42.5795, 39.0689, 42.5041

Sweetspot

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



33.8832, 39.0706, 32.1416



67.7723, 73.2775, 73.6426



34.8313, 36.0237, 31.5036



14.6337, 15.8808, 15.7851



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.



33.8832, 39.0706, 32.1416



58.6747, 69.0315, 53.1560



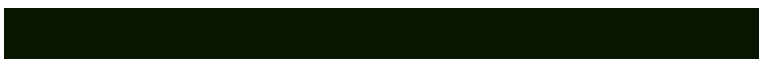
31.5920, 37.8765, 32.6168



8.2325, 9.1085, 8.5376



13.3227, 23.1652, 3.7691



0.4342, 0.6772, 0.1078

Inverse Universe

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



32.0150, 30.4384, 43.7252



54.7134, 50.7303, 77.7140



34.6116, 31.7931, 43.1181



7.9855, 7.9668, 10.0696



9.1103, 4.0564, 29.3473



0.3152, 0.1447, 0.8193

Previews

White Background



This preview shows how the XYZ color 33.8822, 39.0689, 32.1408 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 33.8822, 39.0689, 32.1408 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 33.8822, 39.0689, 32.1408

Background



This preview shows how black text looks on a background with the XYZ color 33.8822, 39.0689, 32.1408.



This preview shows how white text looks on a background with the XYZ color 33.8822, 39.0689,

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

33.8822, 39.0689, 32.1408

Protanopia

36.7579, 38.9076, 30.7719

Deuteranopia

39.4190, 38.6414, 32.5751



Tritanopia

37.4474, 39.1280, 49.2948

Trichromacy



Original Color

33.8822, 39.0689, 32.1408

Protanomaly

35.6480, 38.8750, 31.2160

Deuteranomaly

37.1564, 38.5383, 32.2683

Tritanomaly

36.1406, 39.1537, 42.6984

Monochromacy



Original Color

33.8822, 39.0689, 32.1408

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.9887, 38.1210, 37.4123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8822, 39.0689, 32.1408 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(157, 173, 144)` looks like.

```
.text, #text, p{  
    color:rgb(157, 173, 144)  
}
```

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(157, 173, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 173, 144) }
```

Border

The CSS property to change the border of an element to XYZ 33.8822, 39.0689, 32.1408 is called "border". The border property can be set on classes, ids or directly on the HTML element.

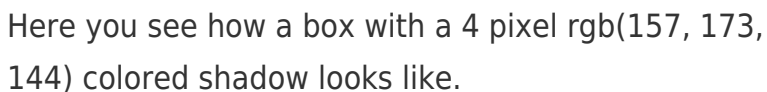
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 173, 144) }
```


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

```
.border{ border-color:rgb(157, 173, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 173, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 173, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 173, 144); box-shadow:4px 4px 4px 4px rgb(157, 173, 144) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8822, 39.0689, 32.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 173, 144) }
```

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

```
.background{ background-color: rgb(157,  
173, 144) }
```

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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