

Converting Colors

XYZ(34.0169, 39.0082, 36.5275)

Have a look what the booklet for
XYZ(34.0169, 39.0082, 36.5275)
contains.

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Color

**XYZ(33.9968, 39.0260,
36.7513)**

Conversions

Conversions Part 1

Format	Color
Hex	99AD9B
RGB	153, 173, 155
RGB Percent	60%, 68%, 61%
CMY	0.4000, 0.3216, 0.3922
CMYK	0.12, 0.00, 0.10, 0.32
HSL	126°, 11%, 64%
HSV	126°, 12%, 68%
XYZ	33.9968, 39.0260, 36.7513
YIQ	164.9680, -6.1420, -9.8380

Conversions

Conversions Part 2

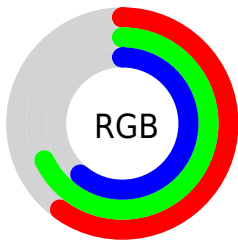
Format	Color
RYB	153, 171, 173
Decimal	10071451
CIELab	68.77, -10.46, 6.90
CIELCh	69, 12.536, 146.584
Yxy	39.0260, 0.3097, 0.3555
Android (android.graphics.Color)	4288261531 (0xFF99AD9B)
YUV	164.9680, -4.9142, -10.4959
Hunter-Lab	62.4708, -12.1836, 8.8495

Details

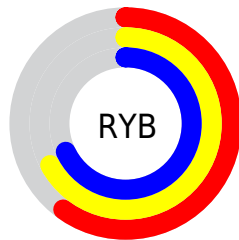
The XYZ color **33.9968, 39.0260, 36.7513** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.9769, 34.6078, 43.3136**, and the grayscale version is **35.7746, 37.6377, 40.9874**.

A 20% lighter version of the original color is **64.9842, 73.3557, 71.0556**, and **14.8156, 17.4990, 15.6935** is the 20% darker color. If you saturate the color by 10%, you get **29.7409, 36.9746, 30.1609**, and if you desaturate by 10%, it is **38.8970, 41.3923, 44.2537**.

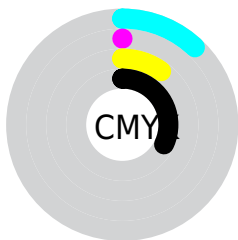
Distribution



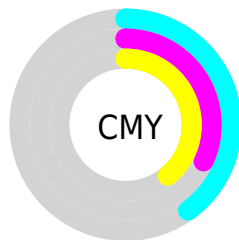
- Red (60%)
- Green (68%)
- Blue (61%)



- Red (60%)
- Yellow (67%)
- Blue (68%)



- Cyan (12%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)



- Cyan (40%)
- Magenta (32%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9968, 39.0260, 36.7513 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 33.9968, 39.0260, 36.7513 by changing the saturation by 10% instead.

■ 33.9968, 39.0260,
36.7513

■ 33.9968, 39.0260,
36.7513

311.7039,
342.0010, 347.3687

■ 23.0540, 26.7800,
24.7207

■ 65.2730, 73.6780,
71.3722

■ 14.7543, 17.4080,
15.6520

■ 86.3372, 96.8528,
94.7995

■ 8.7323, 10.5258,
9.1265

111.5058,
124.4393, 122.8629

■ 4.6227, 5.7490,
4.7259

141.1443,
156.8219, 155.9808

■ 2.0601, 2.6930,
2.0314

175.6180,
194.3849, 194.5718

■ 0.6674, 0.9737,
0.5745

215.2923,

■ 0.0000, 0.0000,

237.5129, 239.0544

0.0000

260.5325,
286.5901, 289.8472

■ 33.9968, 39.0260,
36.7513

■ 33.9968, 39.0260,
36.7513

■ 29.7409, 36.9746,
30.1609

■ 38.8970, 41.3923,
44.2537

■ 26.0993, 35.2200,
24.4453

■ 44.4634, 44.0807,
52.6984

■ 23.0446, 33.7500,
19.5685

■ 50.7207, 47.1045,
62.1173

■ 20.5460, 32.5496,
15.4910

■ 57.6917, 50.4747,
72.5401

■ 18.5697, 31.6023,
12.1702

■ 65.3978, 54.2018,
83.9954

■ 17.0786, 30.8898,
9.5595

■ 73.1933, 57.9522,
96.4792

■ 16.0302, 30.3915,
7.6071

■ 74.2343, 58.3687,
101.9614

■ 15.3748, 30.0829,
6.2542

■ 15.0479, 29.9301,
5.5268

Harmonies

Analogous

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



35.4107, 39.0260, 33.4457



33.9968, 39.0260, 36.7513



33.4111, 39.0260, 41.8445

Triad

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



33.9968, 39.0260, 36.7513



36.8660, 39.0260, 54.3680



40.6130, 39.0260, 37.7852

Complementary

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



33.9968, 39.0260, 36.7513



35.9769, 34.6078, 43.3136

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.



41.0360, 39.0260, 43.1475



33.9968, 39.0260, 36.7513



38.8279, 39.0260, 53.0396

Square

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



33.9968, 39.0260, 36.7513



35.0300, 39.0260, 52.2879



40.3718, 39.0260, 48.8029



39.2355, 39.0260, 34.0042

Rectangle

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



33.9968, 39.0260, 36.7513



33.5531, 39.0260, 45.6904



40.3718, 39.0260, 48.8029



40.8736, 39.0260, 39.4478

Sweetspot

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



33.9979, 39.0277, 36.7522



68.2771, 73.4607, 77.1448



37.4896, 40.8469, 36.0457



14.6810, 15.8888, 16.5254



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.



33.9979, 39.0277, 36.7522



58.7297, 68.8532, 62.4943



34.8731, 39.3778, 41.3613



7.9358, 8.9519, 8.6871



11.0649, 21.9912, 4.1152



0.3180, 0.6158, 0.1680

Inverse Universe

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



35.9769, 34.6078, 43.3136



63.0166, 59.2784, 76.7076



35.0590, 34.2407, 38.4805



8.3020, 8.1341, 9.9013



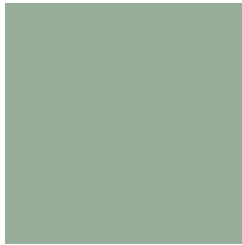
17.0623, 8.2875, 23.7713



0.4844, 0.2344, 0.7125

Previews

White Background



This preview shows how the XYZ color 33.9968, 39.0260, 36.7513 looks on a white background.

Color Contrast Check

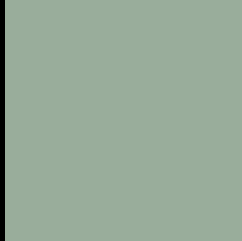
Large Text (above 18pt) WCAG AA × Fail

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 33.9968, 39.0260, 36.7513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

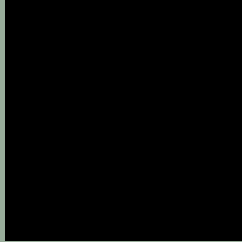
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

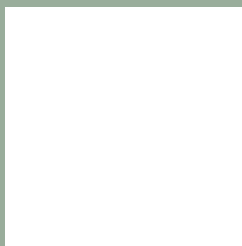
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9968, 39.0260, 36.7513

Background



This preview shows how black text looks on a background with the XYZ color 33.9968, 39.0260, 36.7513.



This preview shows how white text looks on a background with the XYZ color 33.9968, 39.0260,

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

33.9968, 39.0260, 36.7513

Protanopia

36.9418, 38.9031, 35.2678

Deuteranopia

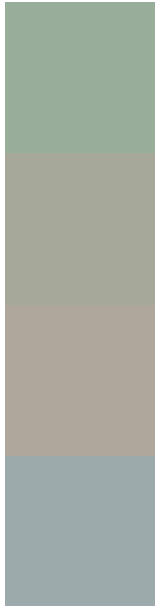
39.4997, 38.8398, 37.3133



Tritanopia

36.7320, 39.0224, 49.8521

Trichromacy



Original Color

33.9968, 39.0260, 36.7513

Protanomaly

35.6636, 38.7828, 35.7432

Deuteranomaly

37.3162, 38.7867, 36.9723

Tritanomaly

35.5314, 38.7959, 44.6454

Monochromacy



Original Color

33.9968, 39.0260, 36.7513

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.1336, 38.1555, 39.2312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9968, 39.0260, 36.7513 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, 173, 155)` looks like.

```
.text, #text, p{  
    color:rgb(153, 173, 155)  
}
```

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, 173, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 173, 155) }
```

Border

The CSS property to change the border of an element to XYZ 33.9968, 39.0260, 36.7513 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, 173, 155) }
```


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

```
.border{ border-color:rgb(153, 173, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 173, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 173, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 173, 155);  
box-shadow:4px 4px 4px 4px rgb(153, 173,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9968, 39.0260, 36.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 173, 155) }
```

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

```
.background{ background-color: rgb(153,  
173, 155) }
```

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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