

Converting Colors

XYZ(34.9938, 37.0644, 39.9203)

Have a look what the booklet for
XYZ(34.9938, 37.0644, 39.9203)
contains.

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Color

**XYZ(34.9906, 36.9818,
39.9443)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A4A3
RGB	163, 164, 163
RGB Percent	64%, 64%, 64%
CMY	0.3608, 0.3568, 0.3608
CMYK	0.01, 0.00, 0.01, 0.36
HSL	120°, 1%, 64%
HSV	120°, 1%, 64%
XYZ	34.9906, 36.9818, 39.9443
YIQ	163.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

Format	Color
RYB	163, 164, 164
Decimal	10724515
CIELab	67.26, -0.54, 0.38
CIELCh	67, 0.666, 144.737
Yxy	36.9818, 0.3126, 0.3304
Android (android.graphics.Color)	4288914595 (0xFFA3A4A3)
YUV	163.5870, -0.2894, -0.5148
Hunter-Lab	60.8127, -3.7162, 3.6247

Details

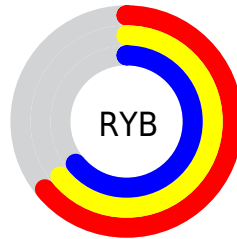
The XYZ color **34.9906, 36.9818, 39.9443** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.1092, 36.7682, 40.3704**, and the grayscale version is **35.0928, 36.9203, 40.2062**.

A 20% lighter version of the original color is **66.8998, 70.6304, 76.4367**, and **15.2190, 16.1155, 17.3474** is the 20% darker color. If you saturate the color by 10%, you get **30.4729, 34.8128, 32.5532**, and if you desaturate by 10%, it is **40.1364, 39.4546, 48.3611**.

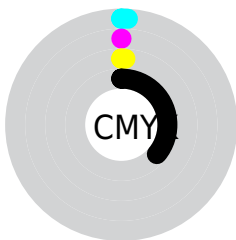
Distribution



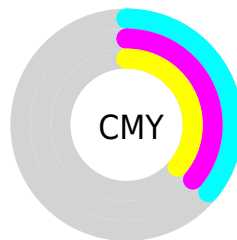
- Red (64%)
- Green (64%)
- Blue (64%)



- Red (64%)
- Yellow (64%)
- Blue (64%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9906, 36.9818, 39.9443 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 34.9906, 36.9818, 39.9443 by changing the saturation by 10% instead.

■ 34.9906, 36.9818,
39.9443

■ 34.9906, 36.9818,
39.9443

316.0356,
333.2317, 361.4339

■ 23.8221, 25.1934,
27.1817

■ 66.8053, 70.5448,
76.3148

■ 15.3257, 16.2212,
17.4761

■ 88.1823, 93.0882,
100.7598

■ 9.1361, 9.6808,
10.4090

113.6928,
119.9853, 129.9360

■ 4.8879, 5.1878,
5.5618

143.7021,
151.6207, 164.2620

■ 2.2157, 2.3579,
2.5161

178.5757,
188.3786, 204.1562

■ 0.7510, 0.8041,
0.8487

218.6789,

■ 0.0000, 0.0000,

230.6435, 250.0372

0.0000

264.3771,
278.7997, 302.3236

■ 34.9906, 36.9818,
39.9443

■ 34.9906, 36.9818,
39.9443

■ 30.4729, 34.8128,
32.5532

■ 40.1364, 39.4546,
48.3611

■ 26.5563, 32.9315,
26.1464

■ 45.9297, 42.2374,
57.8383

■ 23.2164, 31.3272,
20.6831

■ 52.3931, 45.3421,
68.4117

■ 20.4260, 29.9868,
16.1186

■ 59.5470, 48.7785,
80.1149

■ 18.1556, 28.8962,
12.4050

■ 67.4112, 52.5560,
92.9800

■ 16.3732, 28.0400,
9.4896

■ 72.5662, 55.0323,
101.4054

■ 15.0429, 27.4010,
7.3139

■ 14.1241, 26.9597,
5.8115

■ 13.5692, 26.6931,
4.9041

Harmonies

Analogous

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



35.0683, 36.9818, 39.7602



34.9906, 36.9818, 39.9443



34.9556, 36.9818, 40.2155

Triad

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



34.9906, 36.9818, 39.9443



35.1322, 36.9818, 40.8274



35.3281, 36.9818, 40.0329

Complementary

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



34.9906, 36.9818, 39.9443



35.1092, 36.7682, 40.3704

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.



35.3453, 36.9818, 40.3183



34.9906, 36.9818, 39.9443



35.2320, 36.9818, 40.7779

Square

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



34.9906, 36.9818, 39.9443



35.0373, 36.9818, 40.7261



35.3101, 36.9818, 40.5912



35.2632, 36.9818, 39.8112

Rectangle

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



34.9906, 36.9818, 39.9443



34.9612, 36.9818, 40.4096



35.3101, 36.9818, 40.5912



35.3396, 36.9818, 40.1245

Sweetspot

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



34.9916, 36.9834, 39.9451



64.0503, 67.3860, 73.3833



35.1948, 37.0837, 39.9538



14.0027, 14.7319, 16.0430



78.6606, 82.7571, 90.1225

Same Dimension

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



34.9916, 36.9834, 39.9451



63.1564, 66.9565, 71.9209



35.0351, 37.0008, 40.1743



7.8392, 8.3051, 8.9321



10.1792, 20.3581, 3.3930



0.2139, 0.4278, 0.0713

Inverse Universe

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



35.1092, 36.7682, 40.3704



63.5110, 66.3074, 73.2036



35.0655, 36.7507, 40.1402



7.8792, 8.2319, 9.0767



16.8729, 8.1048, 27.6049



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 34.9906, 36.9818, 39.9443 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 34.9906, 36.9818, 39.9443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

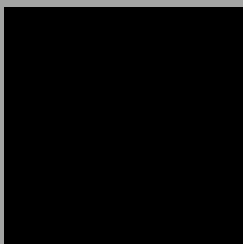
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

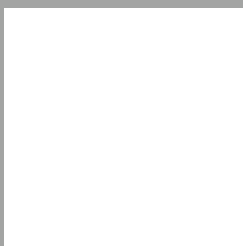
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9906, 36.9818, 39.9443

Background



This preview shows how black text looks on a background with the XYZ color 34.9906, 36.9818, 39.9443.

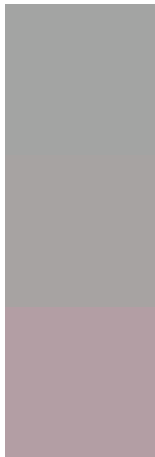


This preview shows how white text looks on a background with the XYZ color 34.9906, 36.9818,

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

34.9906, 36.9818, 39.9443

Protanopia

35.5551, 37.0185, 39.4537

Deuteranopia

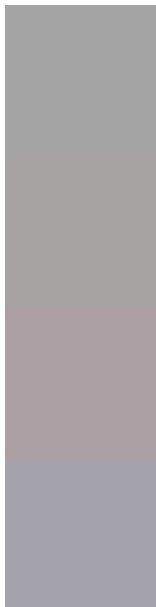
37.5181, 36.7178, 40.2318



Tritanopia

36.1752, 36.9351, 45.7800

Trichromacy



Original Color

34.9906, 36.9818, 39.9443

Protanomaly

35.3447, 36.9100, 39.4439

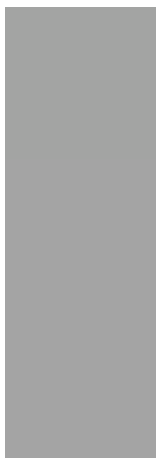
Deuteranomaly

36.5052, 36.7062, 40.2829

Tritanomaly

35.7577, 37.0272, 43.7904

Monochromacy



Original Color

34.9906, 36.9818, 39.9443

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.2861, 37.1238, 40.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9906, 36.9818, 39.9443 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(163, 164, 163) looks like.

```
.text, #text, p{  
    color:rgb(163, 164, 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(163, 164, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 164, 163) }
```

Border

The CSS property to change the border of an element to XYZ 34.9906, 36.9818, 39.9443 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(163, 164, 163) }
```

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

```
.border{ border-color:rgb(163, 164, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 164, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 164, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 164, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 164,  
163) }
```


Background

The CSS property to change the background color of an element to XYZ 34.9906, 36.9818, 39.9443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 164, 163) }
```

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

```
.background{ background-color: rgb(163,  
164, 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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