

Converting Colors

XYZ(36.9260, 39.9411, 38.6499)

Have a look what the booklet for
XYZ(36.9260, 39.9411, 38.6499)
contains.

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Color

**XYZ(36.9694, 39.9539,
38.5643)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AB9F
RGB	168, 171, 159
RGB Percent	66%, 67%, 62%
CMY	0.3412, 0.3294, 0.3765
CMYK	0.02, 0.00, 0.07, 0.33
HSL	75°, 7%, 65%
HSV	75°, 7%, 67%
XYZ	36.9694, 39.9539, 38.5643
YIQ	168.7350, 2.0640, -4.3680

Conversions

Conversions Part 2

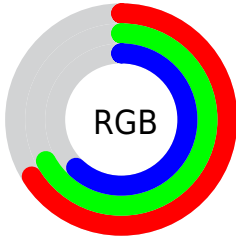
Format	Color
RYB	159, 171, 162
Decimal	11053983
CIELab	69.44, -3.28, 5.80
CIELCh	69, 6.663, 119.488
Yxy	39.9539, 0.3201, 0.3460
Android (android.graphics.Color)	4289244063 (0xFFA8AB9F)
YUV	168.7350, -4.7994, -0.6446
Hunter-Lab	63.2091, -6.2158, 8.0731

Details

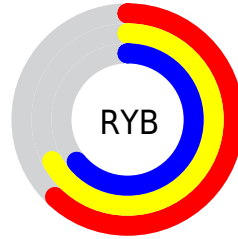
The XYZ color **36.9694, 39.9539, 38.5643** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.6507, 35.4191, 43.5405**, and the grayscale version is **37.6044, 39.5627, 43.0838**.

A 20% lighter version of the original color is **69.7654, 74.9357, 74.4053**, and **16.5061, 17.9894, 16.7897** is the 20% darker color. If you saturate the color by 10%, you get **34.6913, 38.9404, 31.2400**, and if you desaturate by 10%, it is **39.4850, 41.0684, 46.9730**.

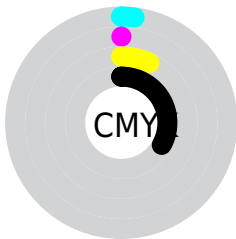
Distribution



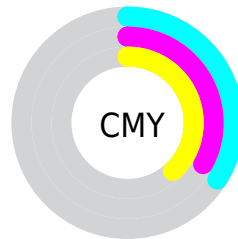
- Red (66%)
- Green (67%)
- Blue (62%)



- Red (62%)
- Yellow (67%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (33%)



- Cyan (34%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9694, 39.9539, 38.5643 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 36.9694, 39.9539, 38.5643 by changing the saturation by 10% instead.

■ 36.9694, 39.9539,
38.5643

■ 36.9694, 39.9539,
38.5643

324.5359,
345.9292, 355.4050

■ 25.3574, 27.5026,
26.1157

■ 69.8399, 75.0933,
74.1852

■ 16.4737, 17.9511,
16.6837

■ 91.8290, 98.5502,
98.1947

■ 9.9529, 10.9148,
9.8497

118.0079,
126.4444, 126.8948

■ 5.4298, 6.0096,
5.1951

148.7418,
159.1604, 160.7042

■ 2.5389, 2.8509,
2.3014

184.3963,
197.0824, 200.0414

■ 0.9149, 1.0544,
0.7320

225.3365,

■ 0.0000, 0.0000,

240.5950, 245.3249

0.0000

271.9279,
290.0825, 296.9732

■ 36.9694, 39.9539,
38.5643

■ 36.9694, 39.9539,
38.5643

■ 34.6913, 38.9404,
31.2400

■ 39.4850, 41.0684,
46.9730

■ 32.6388, 38.0194,
24.9535

■ 42.2430, 42.2821,
56.5053

■ 30.8037, 37.1886,
19.6584

■ 45.2523, 43.5998,
67.2012

■ 29.1761, 36.4443,
15.3039

■ 48.5202, 45.0245,
79.0984

■ 27.7452, 35.7819,
11.8347

■ 52.0538, 46.5591,
92.2326

■ 26.4990, 35.1967,
9.1897

■ 54.7782, 47.7737,
100.9419

■ 25.4243, 34.6834,
7.3000

■ 55.8900, 48.3468,
100.9939

■ 24.5054, 34.2356,
6.0857

■ 57.0335, 48.9363,
101.0474

■ 23.7198, 33.8443,
5.4288

■ 58.2093, 49.5424,
101.1024

Harmonies

Analogous

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



37.9934, 39.9539, 37.8632



36.9694, 39.9539, 38.5643



36.2268, 39.9539, 40.5742

Triad

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



36.9694, 39.9539, 38.5643



36.9381, 39.9539, 48.7894



40.0736, 39.9539, 43.5558

Complementary

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



36.9694, 39.9539, 38.5643



34.6507, 35.4191, 43.5405

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.



39.7786, 39.9539, 46.5694



36.9694, 39.9539, 38.5643



37.9566, 39.9539, 49.6768

Square

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



36.9694, 39.9539, 38.5643



36.2089, 39.9539, 46.4739



38.9986, 39.9539, 48.8463



39.7976, 39.9539, 40.6615

Rectangle

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



36.9694, 39.9539, 38.5643



35.9842, 39.9539, 42.4349



38.9986, 39.9539, 48.8463



40.0378, 39.9539, 44.5889

Sweetspot

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



36.9705, 39.9556, 38.5652



68.3993, 72.5255, 76.3214



35.9744, 37.0031, 38.0478



15.2645, 16.1784, 17.0575



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.



36.9705, 39.9556, 38.5652



65.7298, 71.3419, 67.4969



35.7226, 39.3123, 38.5068



8.4640, 9.2278, 8.5484



17.7633, 25.4544, 3.9770



0.5403, 0.7319, 0.1128

Inverse Universe

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



34.6507, 35.4191, 43.5405



60.9472, 61.9888, 77.7547



35.8987, 36.0624, 43.5989



7.7597, 7.8504, 10.0590



6.3276, 2.6219, 29.2171



0.2260, 0.0987, 0.8151

Previews

White Background



This preview shows how the XYZ color 36.9694, 39.9539, 38.5643 looks on a white background.

Color Contrast Check

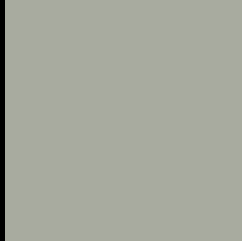
Large Text (above 18pt) WCAG AA × Fail

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 36.9694, 39.9539, 38.5643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

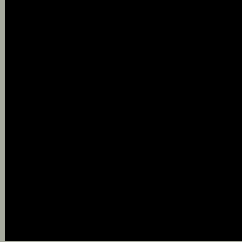
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

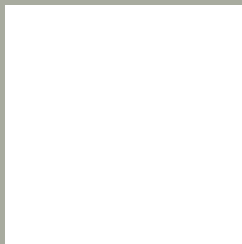
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9694, 39.9539, 38.5643

Background



This preview shows how black text looks on a background with the XYZ color 36.9694, 39.9539, 38.5643.



This preview shows how white text looks on a background with the XYZ color 36.9694, 39.9539,

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

36.9694, 39.9539, 38.5643

Protanopia

38.0387, 39.9585, 38.0557

Deuteranopia

40.6069, 39.9078, 38.8205



Tritanopia

39.1377, 39.9994, 49.3739

Trichromacy



Original Color

36.9694, 39.9539, 38.5643

Protanomaly

37.5595, 39.9887, 38.0867

Deuteranomaly

39.2199, 39.9993, 38.9112

Tritanomaly

38.3084, 39.9391, 45.2251

Monochromacy



Original Color

36.9694, 39.9539, 38.5643

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5284, 39.9011, 41.3210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9694, 39.9539, 38.5643 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(168, 171, 159)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 159)  
}
```

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(168, 171, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 159) }
```

Border

The CSS property to change the border of an element to XYZ 36.9694, 39.9539, 38.5643 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(168, 171, 159) }
```


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

```
.border{ border-color:rgb(168, 171, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 171, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 159);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9694, 39.9539, 38.5643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 159) }
```

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

```
.background{ background-color: rgb(168,  
171, 159) }
```

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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