

Converting Colors

XYZ(36.8033, 40.0118, 38.4092)

Have a look what the booklet for
XYZ(36.8033, 40.0118, 38.4092)
contains.

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Color

**XYZ(36.9469, 40.2237,
38.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	A7AC9F
RGB	167, 172, 159
RGB Percent	65%, 67%, 62%
CMY	0.3451, 0.3255, 0.3765
CMYK	0.03, 0.00, 0.08, 0.33
HSL	83°, 7%, 65%
HSV	83°, 8%, 67%
XYZ	36.9469, 40.2237, 38.6175
YIQ	169.0230, 1.1930, -5.1030

Conversions

Conversions Part 2

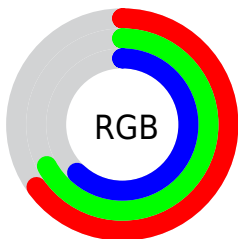
Format	Color
RYB	159, 172, 164
Decimal	10988703
CIELab	69.63, -4.18, 6.07
CIELCh	70, 7.367, 124.578
Yxy	40.2237, 0.3191, 0.3474
Android (android.graphics.Color)	4289178783 (0xFFA7AC9F)
YUV	169.0230, -4.9413, -1.7742
Hunter-Lab	63.4222, -7.0027, 8.2941

Details

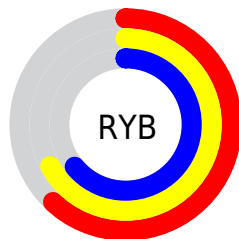
The XYZ color **36.9469, 40.2237, 38.6175** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.1558, 35.6684, 44.0635**, and the grayscale version is **37.7476, 39.7134, 43.2479**.

A 20% lighter version of the original color is **69.7309, 75.3228, 74.4819**, and **16.4935, 18.1605, 16.8234** is the 20% darker color. If you saturate the color by 10%, you get **34.1948, 38.9667, 31.2319**, and if you desaturate by 10%, it is **39.9805, 41.6041, 47.1022**.

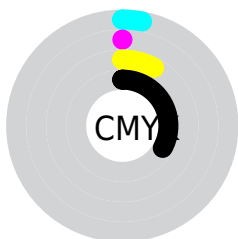
Distribution



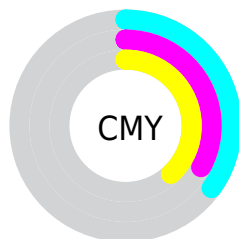
- Red (65%)
- Green (67%)
- Blue (62%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (35%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9469, 40.2237, 38.6175 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 36.9469, 40.2237, 38.6175 by changing the saturation by 10% instead.

■ 36.9469, 40.2237,
38.6175

■ 36.9469, 40.2237,
38.6175

324.4401,
347.0655, 355.6388

■ 25.3399, 27.7130,
26.1568

■ 69.8055, 75.5040,
74.2675

■ 16.4605, 18.1094,
16.7141

■ 91.7877, 99.0425,
98.2939

■ 9.9435, 11.0286,
9.8711

117.9591,
127.0256, 127.0125

■ 5.4235, 6.0861,
5.2091

148.6849,
159.8378, 160.8420

■ 2.5351, 2.8975,
2.3096

184.3306,
197.8635, 200.2008

■ 0.9130, 1.0784,
0.7366

225.2614,

■ 0.0000, 0.0000,

241.4871, 245.5075

0.0000

271.8428,
291.0930, 297.1807

■ 36.9469, 40.2237,
38.6175

■ 36.9469, 40.2237,
38.6175

■ 34.1948, 38.9667,
31.2319

■ 39.9805, 41.6041,
47.1022

■ 31.7113, 37.8241,
24.8979

■ 43.3014, 43.1065,
56.7257

■ 29.4874, 36.7933,
19.5682


■ 46.9193, 44.7363,
67.5291


■ 27.5120, 35.8698,
15.1910


■ 50.8425, 46.4967,
79.5504

■ 25.7734, 35.0487,
11.7099


■ 55.0788, 48.3911,
92.8263


 24.2585, 34.3248,
9.0624


 58.4539, 49.9500,
101.1682

 22.9528, 33.6920,
7.1782

 60.3385, 50.9215,
101.2564

 21.8394, 33.1435,
5.9753

 62.3015, 51.9334,
101.3483

 20.8928, 32.6690,
5.3251

 64.3437, 52.9863,
101.4438

Harmonies

Analogous

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



38.0490, 40.2237, 37.5812



36.9469, 40.2237, 38.6175



36.2009, 40.2237, 41.0422

Triad

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



36.9469, 40.2237, 38.6175



37.2571, 40.2237, 49.9889



40.5590, 40.2237, 43.2756

Complementary

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



36.9469, 40.2237, 38.6175



35.1558, 35.6684, 44.0635

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.



40.3365, 40.2237, 46.6719



36.9469, 40.2237, 38.6175



38.4144, 40.2237, 50.6624

Square

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



36.9469, 40.2237, 38.6175



36.3774, 40.2237, 47.6239



39.5454, 40.2237, 49.4196



40.1474, 40.2237, 40.1804

Rectangle

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



36.9469, 40.2237, 38.6175



35.9974, 40.2237, 43.1802



39.5454, 40.2237, 49.4196



40.5560, 40.2237, 44.4192

Sweetspot

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



36.9480, 40.2254, 38.6184



70.0007, 74.3253, 78.3058



36.5451, 37.8201, 38.1753



15.2263, 16.1587, 17.0557



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.



36.9480, 40.2254, 38.6184



66.1922, 72.5910, 67.7779



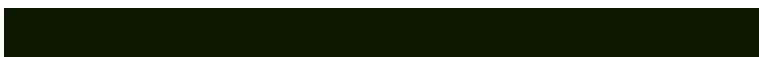
35.6124, 39.5369, 38.5559



8.3597, 9.1740, 8.5435



15.4486, 24.2611, 3.8686



0.4884, 0.7051, 0.1104

Inverse Universe

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



35.1558, 35.6684, 44.0635



62.2943, 62.6796, 79.6209



36.5282, 36.3758, 44.1277



7.8594, 7.9018, 10.0637



7.2796, 3.1126, 29.2616



0.2647, 0.1186, 0.8169

Previews

White Background



This preview shows how the XYZ color 36.9469, 40.2237, 38.6175 looks on a white background.

Color Contrast Check

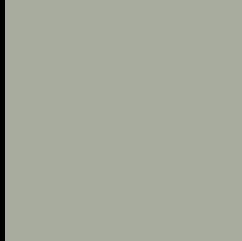
Large Text (above 18pt) WCAG AA × Fail

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 36.9469, 40.2237, 38.6175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

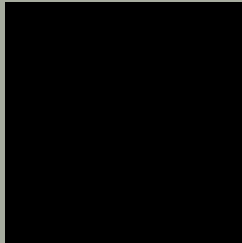
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

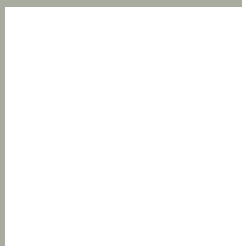
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9469, 40.2237, 38.6175

Background



This preview shows how black text looks on a background with the XYZ color 36.9469, 40.2237, 38.6175.



This preview shows how white text looks on a background with the XYZ color 36.9469, 40.2237,

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

36.9469, 40.2237, 38.6175

Protanopia

38.2640, 40.0747, 38.0662

Deuteranopia

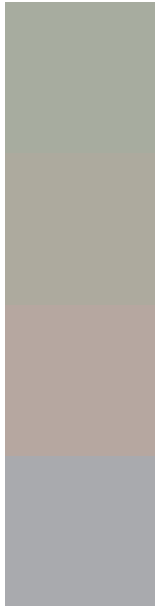
40.9437, 40.0713, 39.2948



Tritanopia

39.2090, 40.2994, 49.9680

Trichromacy



Original Color

36.9469, 40.2237, 38.6175

Protanomaly

37.7799, 40.1023, 38.0971

Deuteranomaly

39.4553, 40.1206, 38.9222

Tritanomaly

38.3769, 40.2405, 45.7889

Monochromacy



Original Color

36.9469, 40.2237, 38.6175

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.3147, 39.7909, 41.3110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9469, 40.2237, 38.6175 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(167, 172, 159)` looks like.

```
.text, #text, p{  
    color:rgb(167, 172, 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(167, 172, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 172, 159) }
```

Border

The CSS property to change the border of an element to XYZ 36.9469, 40.2237, 38.6175 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(167, 172, 159) }
```


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

```
.border{ border-color:rgb(167, 172, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 172, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 172, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 172, 159);  
box-shadow:4px 4px 4px 4px rgb(167, 172,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9469, 40.2237, 38.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 172, 159) }
```

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

```
.background{ background-color: rgb(167,  
172, 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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