

Converting Colors

XYZ(36.4730, 37.9831, 40.0600)

Have a look what the booklet for
XYZ(36.4730, 37.9831, 40.0600)
contains.

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Color

**XYZ(36.4282, 37.9896,
40.0631)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A5A3
RGB	169, 165, 163
RGB Percent	66%, 65%, 64%
CMY	0.3373, 0.3529, 0.3608
CMYK	0.00, 0.02, 0.04, 0.34
HSL	20°, 3%, 65%
HSV	20°, 4%, 66%
XYZ	36.4282, 37.9896, 40.0631
YIQ	165.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

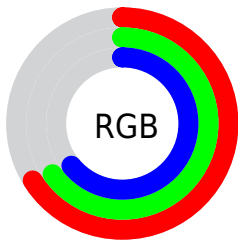
Format	Color
RYB	169, 166, 163
Decimal	11117987
CIELab	68.01, 1.07, 1.53
CIELCh	68, 1.870, 55.187
Yxy	37.9896, 0.3182, 0.3318
Android (android.graphics.Color)	4289308067 (0xFFA9A5A3)
YUV	165.9680, -1.4632, 2.6591
Hunter-Lab	61.6357, -2.3646, 4.6066

Details

The XYZ color **36.4282, 37.9896, 40.0631** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.0845, 38.2881, 43.0252**, and the grayscale version is **36.2368, 38.1239, 41.5169**.

A 20% lighter version of the original color is **68.9886, 72.0956, 76.6094**, and **16.1105, 16.7399, 17.4209** is the 20% darker color. If you saturate the color by 10%, you get **33.0722, 33.5408, 31.9663**, and if you desaturate by 10%, it is **40.1676, 42.8803, 49.2870**.

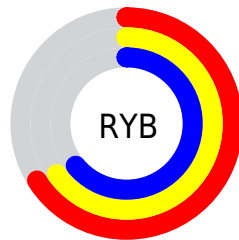
Distribution



Red (66%)

Green (65%)

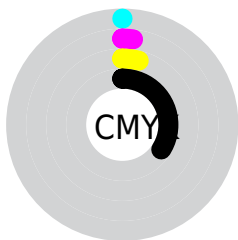
Blue (64%)



Red (66%)

Yellow (65%)

Blue (64%)

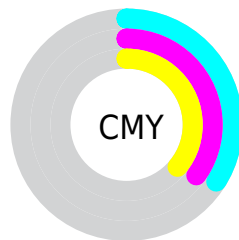


Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4282, 37.9896, 40.0631 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 36.4282, 37.9896, 40.0631 by changing the saturation by 10% instead.

■ 36.4282, 37.9896,
40.0631

■ 36.4282, 37.9896,
40.0631

322.2270,
337.5754, 361.9495

■ 24.9367, 25.9746,
27.2736

■ 69.0120, 72.0922,
76.4977

■ 16.1584, 16.8047,
17.5445

■ 90.8351, 94.9486,
100.9799

■ 9.7279, 10.0953,
10.4574

116.8327,
122.1876, 130.1968

■ 5.2798, 5.4622,
5.5937

147.3703,
154.1936, 164.5668

■ 2.4488, 2.5209,
2.5349

182.8131,
191.3510, 204.5085

■ 0.8695, 0.8871,
0.8586

223.5266,

■ 0.0000, 0.0000,

234.0441, 250.4405

0.0000

269.8761,
282.6575, 302.7813

■ 36.4282, 37.9896,
40.0631

■ 36.4282, 37.9896,
40.0631

■ 33.0722, 33.5408,
31.9663

■ 40.1676, 42.8803,
49.2870

■ 30.0838, 29.5165,
24.9507

■ 44.2990, 48.2198,
59.6767

■ 27.4507, 25.9054,
18.9706

■ 48.8350, 54.0210,
71.2719

■ 25.1589, 22.6940,
13.9766

■ 53.7864, 60.2950,
84.1100

■ 23.1933, 19.8678,
9.9146

■ 59.1639, 67.0523,
98.2264

■ 21.5375, 17.4114,
6.7258

■ 63.4263, 73.6828,
105.4870

■ 20.1734, 15.3085,
4.3441

■ 66.7079, 80.2461,
106.5809

■ 19.0812, 13.5410,
2.6941

■ 70.1724, 87.1751,
107.7357

■ 18.2373, 12.0892,
1.6858

Harmonies

Analogous

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



36.6164, 37.9896, 40.6863



36.4282, 37.9896, 40.0631



36.1549, 37.9896, 39.7886

Triad

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



36.4282, 37.9896, 40.0631



35.5536, 37.9896, 41.2300



36.3465, 37.9896, 42.8306

Complementary

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



36.4282, 37.9896, 40.0631



36.0845, 38.2881, 43.0252

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.



36.0611, 37.9896, 42.9809



36.4282, 37.9896, 40.0631



35.6042, 37.9896, 42.0496

Square

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



36.4282, 37.9896, 40.0631



35.6508, 37.9896, 40.4565



35.7896, 37.9896, 42.6932



36.5691, 37.9896, 42.2854

Rectangle

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



36.4282, 37.9896, 40.0631



35.9617, 37.9896, 39.8377



35.7896, 37.9896, 42.6932



36.2547, 37.9896, 42.9293

Sweetspot

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



36.4293, 37.9912, 40.0639



66.8717, 70.1813, 75.7405



36.4350, 37.4200, 41.8623



14.5833, 15.3072, 16.5283



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



36.4293, 37.9912, 40.0639



64.9117, 67.6044, 70.9460



36.9763, 39.0852, 40.2463



8.0837, 8.4066, 8.7749



13.3084, 8.5141, 0.9420



0.3706, 0.3008, 0.0385

Inverse Universe

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



36.0845, 38.2881, 43.0252



64.2059, 68.2121, 77.0073



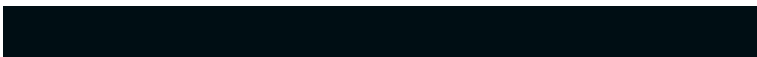
35.5417, 37.2026, 42.8443



7.9834, 8.4931, 9.6369



9.7550, 10.9701, 29.5788



0.2814, 0.3551, 0.7344

Previews

White Background



This preview shows how the XYZ color 36.4282, 37.9896, 40.0631 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 36.4282, 37.9896, 40.0631 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

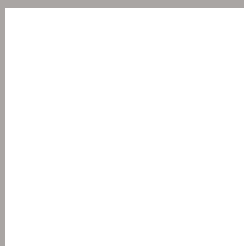
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4282, 37.9896, 40.0631

Background



This preview shows how black text looks on a background with the XYZ color 36.4282, 37.9896, 40.0631.

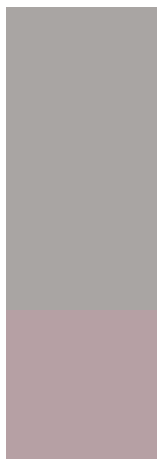


This preview shows how white text looks on a background with the XYZ color 36.4282, 37.9896,

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

36.4282, 37.9896, 40.0631

Protanopia

36.4282, 37.9896, 40.0631

Deuteranopia

38.5630, 37.7670, 40.3792



Tritanopia

37.7283, 37.9869, 46.4180

Trichromacy



Original Color

36.4282, 37.9896, 40.0631

Protanomaly

36.4282, 37.9896, 40.0631

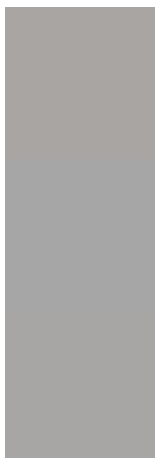
Deuteranomaly

37.7526, 37.8681, 40.4415

Tritanomaly

37.2037, 38.0372, 43.9092

Monochromacy



Original Color

36.4282, 37.9896, 40.0631

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.3641, 38.2045, 41.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4282, 37.9896, 40.0631 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(169, 165, 163)` looks like.

```
.text, #text, p{  
    color:rgb(169, 165, 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(169, 165, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 165, 163) }
```

Border

The CSS property to change the border of an element to XYZ 36.4282, 37.9896, 40.0631 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(169, 165, 163) }
```


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

```
.border{ border-color:rgb(169, 165, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 165, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 165, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 165, 163);  
box-shadow:4px 4px 4px 4px rgb(169, 165,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4282, 37.9896, 40.0631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 165, 163) }
```

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

```
.background{ background-color: rgb(169,  
165, 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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