

Converting Colors

XYZ(33.2035, 33.9852, 40.2018)

Have a look what the booklet for
XYZ(33.2035, 33.9852, 40.2018)
contains.

XYZ(33.1772, 33.9671, 40.4050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.1772, 33.9671,
40.4050)**

Conversions

Conversions Part 1

Format	Color
Hex	A09CA5
RGB	160, 156, 165
RGB Percent	63%, 61%, 65%
CMY	0.3725, 0.3882, 0.3529
CMYK	0.03, 0.05, 0.00, 0.35
HSL	267°, 5%, 63%
HSV	267°, 5%, 65%
XYZ	33.1772, 33.9671, 40.4050
YIQ	158.2220, -0.5050, 3.6470

Conversions

Conversions Part 2

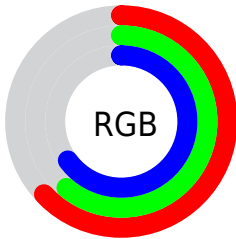
Format	Color
RYB	160, 156, 165
Decimal	10525861
CIELab	64.94, 3.19, -4.18
CIELCh	65, 5.252, 307.338
Yxy	33.9671, 0.3085, 0.3158
Android (android.graphics.Color)	4288715941 (0xFFA09CA5)
YUV	158.2220, 3.3416, 1.5593
Hunter-Lab	58.2813, -0.3794, -0.3074

Details

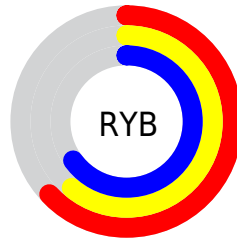
The XYZ color **33.1772, 33.9671, 40.4050** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1551, 36.8885, 36.7742**, and the grayscale version is **32.5864, 34.2834, 37.3347**.

A 20% lighter version of the original color is **63.9892, 65.7076, 77.0204**, and **14.3389, 14.5466, 17.6748** is the 20% darker color. If you saturate the color by 10%, you get **28.8287, 27.8913, 39.4620**, and if you desaturate by 10%, it is **38.0390, 40.8677, 41.4812**.

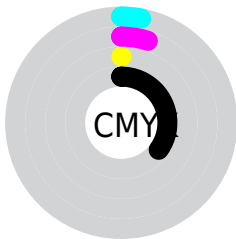
Distribution



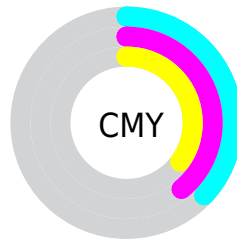
- Red (63%)
- Green (61%)
- Blue (65%)



- Red (63%)
- Yellow (61%)
- Blue (65%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



- Cyan (37%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1772, 33.9671, 40.4050 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 33.1772, 33.9671, 40.4050 by changing the saturation by 10% instead.

■ 33.1772, 33.9671,
40.4050

■ 33.1772, 33.9671,
40.4050

308.0983,
319.9853, 363.4304

■ 22.4221, 22.8683,
27.5383

■ 64.0049, 65.8825,
77.0237

■ 14.2857, 14.4963,
17.7419

■ 84.8082, 87.4679,
101.6127

■ 8.4027, 8.4667,
10.5973

109.6917,
113.3177, 130.9462

■ 4.4076, 4.3950,
5.6860

139.0206,
143.8162, 165.4428

■ 1.9352, 1.8969,
2.5894

173.1604,
179.3478, 205.5209

■ 0.5972, 0.5465,
0.8870

212.4764,

■ 0.0000, 0.0000,

220.2969, 251.5992

0.0000

257.3339,
267.0480, 304.0962

■ 33.1772, 33.9671,
40.4050

■ 33.1772, 33.9671,
40.4050

■ 28.8287, 27.8913,
39.4620

■ 38.0390, 40.8677,
41.4812

■ 24.9726, 22.6045,
38.6447

■ 43.4282, 48.6187,
42.6933

■ 21.5909, 18.0742,
37.9485

■ 49.3619, 57.2499,
44.0465

■ 18.6630, 14.2645,
37.3675

■ 55.8556, 66.7883,
45.5454

■ 16.1671, 11.1360,
36.8952

■ 62.9243, 77.2597,
47.1940

14.0790, 8.6457,
36.5246

70.5806, 88.6861,
48.9960

12.3722, 6.7453,
36.2477

73.3495, 90.1135,
49.1256

11.0161, 5.3794,
36.0556

76.2716, 91.6199,
49.2623

9.9725, 4.4773,
35.9364

79.3494, 93.2066,
49.4063

Harmonies

Analogous

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



32.4713, 33.9671, 41.2828



33.1772, 33.9671, 40.4050



33.6491, 33.9671, 38.6169

Triad

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



33.1772, 33.9671, 40.4050



32.8498, 33.9671, 33.2631



30.8600, 33.9671, 37.5203

Complementary

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



33.1772, 33.9671, 40.4050



34.1551, 36.8885, 36.7742

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.



30.9577, 33.9671, 35.3986



33.1772, 33.9671, 40.4050



32.0988, 33.9671, 32.9952

Square

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



33.1772, 33.9671, 40.4050



33.4580, 33.9671, 34.5089



31.4084, 33.9671, 33.7625



31.1392, 33.9671, 39.5755

Rectangle

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



33.1772, 33.9671, 40.4050



33.7633, 33.9671, 37.1787



31.4084, 33.9671, 33.7625



30.8499, 33.9671, 36.7908

Sweetspot

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



33.1782, 33.9686, 40.4057



62.2884, 64.8872, 72.9939



33.2654, 35.3104, 40.6602



13.6395, 14.2169, 15.9628



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.1782, 33.9686, 40.4057



58.0509, 58.9099, 72.0635



34.0735, 34.4301, 40.4476



7.1684, 7.2636, 8.9273



7.2901, 3.1647, 27.1564



0.2072, 0.0944, 0.5731

Inverse Universe

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



33.8397, 34.3510, 38.5667



59.5892, 59.7993, 67.7788



33.2838, 36.4394, 36.7334



7.3663, 7.3780, 8.3758



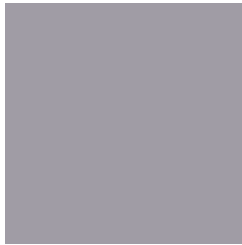
13.2155, 6.6422, 8.3252



0.3010, 0.1489, 0.2977

Previews

White Background



This preview shows how the XYZ color 33.1772, 33.9671, 40.4050 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 33.1772, 33.9671, 40.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

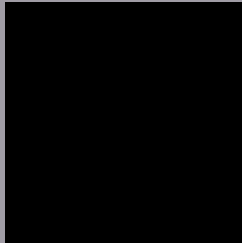
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1772, 33.9671, 40.4050

Background



This preview shows how black text looks on a background with the XYZ color 33.1772, 33.9671, 40.4050.

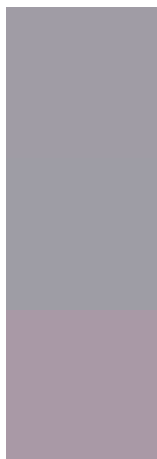


This preview shows how white text looks on a background with the XYZ color 33.1772, 33.9671,

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

33.1772, 33.9671, 40.4050

Protanopia

32.9491, 34.0997, 40.4426

Deuteranopia

34.6364, 33.9707, 40.8079



Tritanopia

33.4536, 34.0777, 41.8602

Trichromacy



Original Color

33.1772, 33.9671, 40.4050

Protanomaly

33.1466, 34.2015, 40.4518

Deuteranomaly

34.1644, 33.9714, 40.8329

Tritanomaly

33.3607, 34.0405, 41.3714

Monochromacy



Original Color

33.1772, 33.9671, 40.4050

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.7881, 34.0581, 38.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1772, 33.9671, 40.4050 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(160, 156, 165)` looks like.

```
.text, #text, p{  
    color:rgb(160, 156, 165)  
}
```

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(160, 156, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 156, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.1772, 33.9671, 40.4050 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(160, 156, 165) }
```


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

```
.border{ border-color:rgb(160, 156, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 156, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 156, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 156, 165); box-shadow:4px 4px 4px 4px rgb(160, 156, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1772, 33.9671, 40.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 156, 165) }
```

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

```
.background{ background-color: rgb(160,  
156, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor