

Converting Colors

XYZ(33.2265, 33.0627, 35.9876)

Have a look what the booklet for
XYZ(33.2265, 33.0627, 35.9876)
contains.

XYZ(33.3774, 33.1816, 36.0980)	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(33.3774, 33.1816,
36.0980)**

Conversions

Conversions Part 1

Format	Color
Hex	A8989C
RGB	168, 152, 156
RGB Percent	66%, 60%, 61%
CMY	0.3412, 0.4039, 0.3882
CMYK	0.00, 0.10, 0.07, 0.34
HSL	345°, 8%, 63%
HSV	345°, 10%, 66%
XYZ	33.3774, 33.1816, 36.0980
YIQ	157.2400, 8.2520, 4.6360

Conversions

Conversions Part 2

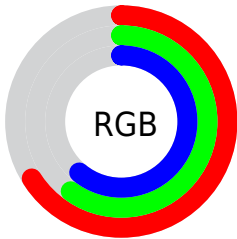
Format	Color
RYB	168, 152, 156
Decimal	11049116
CIELab	64.31, 6.60, 0.04
CIElCh	64, 6.603, 0.345
Yxy	33.1816, 0.3251, 0.3232
Android (android.graphics.Color)	4289239196 (0xFFA8989C)
YUV	157.2400, -0.6113, 9.4365
Hunter-Lab	57.6035, 2.6229, 3.1675

Details

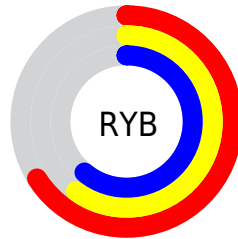
The XYZ color **33.3774, 33.1816, 36.0980** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.6536, 37.3618, 40.5615**, and the grayscale version is **32.1567, 33.8313, 36.8423**.

A 20% lighter version of the original color is **64.1356, 64.4837, 70.0391**, and **14.4059, 14.0403, 15.3154** is the 20% darker color. If you saturate the color by 10%, you get **29.8293, 27.7051, 29.9207**, and if you desaturate by 10%, it is **37.4244, 39.4777, 42.9887**.

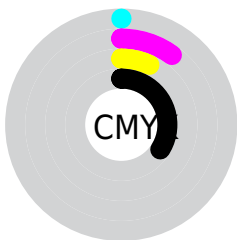
Distribution



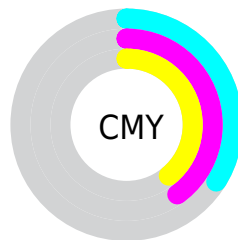
- Red (66%)
- Green (60%)
- Blue (61%)



- Red (66%)
- Yellow (60%)
- Blue (61%)



- Cyan (0%)
- Magenta (10%)
- Yellow (7%)
- Black (34%)



- Cyan (34%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3774, 33.1816, 36.0980 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 33.3774, 33.1816, 36.0980 by changing the saturation by 10% instead.

■ 33.3774, 33.1816,
36.0980

■ 33.3774, 33.1816,
36.0980

308.9819,
316.4672, 344.4390

■ 22.5763, 22.2656,
24.2196

■ 64.3150, 64.6589,
70.3540

■ 14.4000, 14.0522,
15.2829

■ 85.1823, 85.9891,
93.5688

■ 8.4829, 8.1570,
8.8693

110.1357,
111.5594, 121.3994

■ 4.4599, 4.1956,
4.5604

139.5406,
141.7543, 154.2643

■ 1.9654, 1.7835,
1.9375

173.7623,
176.9581, 192.5823

■ 0.6144, 0.4769,
0.5165

213.1662,

■ 0.0000, 0.0000,

217.5553, 236.7717

0.0000

258.1176,
263.9302, 287.2511

■ 33.3774, 33.1816,
36.0980

■ 33.3774, 33.1816,
36.0980

■ 29.8293, 27.7051,
29.9207

■ 37.4244, 39.4777,
42.9887

■ 26.7576, 23.0103,
24.4316

■ 41.9859, 46.6208,
50.6127

■ 24.1427, 19.0626,
19.6071

■ 47.0802, 54.6424,
58.9917

■ 21.9620, 15.8232,
15.4213

■ 52.7240, 63.5709,
68.1459

■ 20.1913, 13.2497,
11.8467

■ 58.9332, 73.4335,
78.0946

■ 18.8036, 11.2953,
8.8538

■ 65.7231, 84.2564,
88.8568

■ 17.7690, 9.9069,
6.4101

■ 68.2708, 86.3898,
98.8378

■ 17.0525, 9.0224,
4.4801

■ 69.9586, 87.0649,
107.7257

■ 16.5857, 8.5137,
3.0145

Harmonies

Analogous

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



33.1326, 33.1816, 38.7472



33.3774, 33.1816, 36.0980



33.1213, 33.1816, 33.5804

Triad

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



33.3774, 33.1816, 36.0980



30.6351, 33.1816, 31.8498



30.6536, 33.1816, 40.8093

Complementary

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



33.3774, 33.1816, 36.0980



33.6536, 37.3618, 40.5615

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.



30.0062, 33.1816, 38.8037



33.3774, 33.1816, 36.0980



29.9957, 33.1816, 33.6318

Square

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



33.3774, 33.1816, 36.0980



31.5272, 33.1816, 31.2033



29.7677, 33.1816, 36.1603



31.5490, 33.1816, 41.5479

Rectangle

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



33.3774, 33.1816, 36.0980



32.7039, 33.1816, 32.2942



29.7677, 33.1816, 36.1603



30.4004, 33.1816, 40.2562

Sweetspot

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



33.3783, 33.1831, 36.0987



65.2122, 67.4286, 73.4409



33.6070, 33.1777, 41.6788



14.0857, 14.4977, 15.7899



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.



33.3783, 33.1831, 36.0987



59.4252, 58.4429, 63.5331



33.7054, 34.3701, 34.5652



7.6051, 7.5719, 8.2379



12.5279, 6.4199, 2.3254



0.3246, 0.1641, 0.1609

Inverse Universe

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



33.3783, 33.1831, 36.0987



59.4252, 58.4429, 63.5331



33.2933, 36.0544, 42.2506



7.6051, 7.5719, 8.2379



12.5279, 6.4199, 2.3254



0.3246, 0.1641, 0.1609

Previews

White Background



This preview shows how the XYZ color 33.3774, 33.1816, 36.0980 looks on a white background.

Color Contrast Check

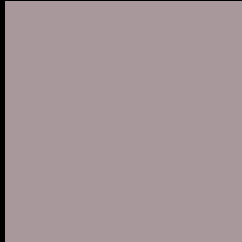
Large Text (above 18pt) WCAG AA × Fail

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 33.3774, 33.1816, 36.0980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

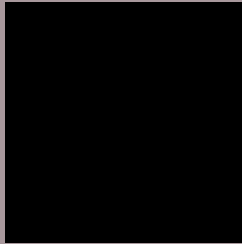
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3774, 33.1816, 36.0980

Background



This preview shows how black text looks on a background with the XYZ color 33.3774, 33.1816, 36.0980.



This preview shows how white text looks on a background with the XYZ color 33.3774, 33.1816,

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

33.3774, 33.1816, 36.0980

Protanopia

31.9935, 33.1804, 37.0660

Deuteranopia

33.8619, 33.1914, 36.0744



Tritanopia

34.0397, 33.2126, 39.2669

Trichromacy



Original Color

33.3774, 33.1816, 36.0980

Protanomaly

32.5417, 33.2269, 36.5966

Deuteranomaly

33.6449, 33.0796, 36.0642

Tritanomaly

33.7740, 33.1063, 37.8678

Monochromacy



Original Color

33.3774, 33.1816, 36.0980

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.5051, 33.4541, 36.6424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3774, 33.1816, 36.0980 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, 152, 156)` looks like.

```
.text, #text, p{  
    color:rgb(168, 152, 156)  
}
```

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, 152, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 152, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.3774, 33.1816, 36.0980 is called "border". The border property can be set on classes, ids or directly on the HTML element.

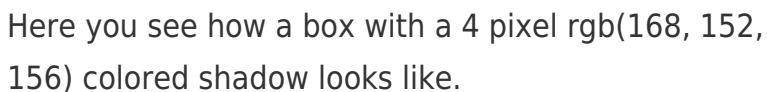
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 152, 156) }
```


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

```
.border{ border-color:rgb(168, 152, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 152, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 152, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 152, 156);  
box-shadow:4px 4px 4px 4px rgb(168, 152,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3774, 33.1816, 36.0980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 152, 156) }
```

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

```
.background{ background-color: rgb(168,  
152, 156) }
```

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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