

Converting Colors

XYZ(31.7528, 33.4156, 33.7670)

Have a look what the booklet for
XYZ(31.7528, 33.4156, 33.7670)
contains.

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Color

**XYZ(31.6916, 33.3499,
33.6210)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9C96
RGB	159, 156, 150
RGB Percent	62%, 61%, 59%
CMY	0.3765, 0.3882, 0.4118
CMYK	0.00, 0.02, 0.06, 0.38
HSL	40°, 4%, 61%
HSV	40°, 6%, 62%
XYZ	31.6916, 33.3499, 33.6210
YIQ	156.2130, 3.7140, -1.2300

Conversions

Conversions Part 2

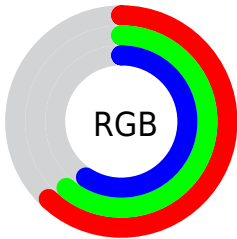
Format	Color
RYB	155, 159, 150
Decimal	10460310
CIELab	64.44, -0.02, 3.51
CIELCh	64, 3.515, 90.385
Yxy	33.3499, 0.3212, 0.3380
Android (android.graphics.Color)	4288650390 (0xFF9F9C96)
YUV	156.2130, -3.0630, 2.4442
Hunter-Lab	57.7494, -3.1045, 5.9066

Details

The XYZ color **31.6916, 33.3499, 33.6210** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2269, 31.7692, 37.3403**, and the grayscale version is **31.7079, 33.3592, 36.3282**.

A 20% lighter version of the original color is **61.6772, 64.7490, 66.3738**, and **13.4880, 14.1921, 13.8328** is the 20% darker color. If you saturate the color by 10%, you get **29.6283, 31.1348, 27.0393**, and if you desaturate by 10%, it is **33.9693, 35.7149, 41.1322**.

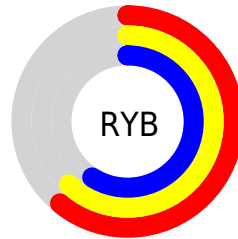
Distribution



Red (62%)

Green (61%)

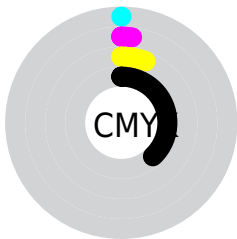
Blue (59%)



Red (61%)

Yellow (62%)

Blue (59%)

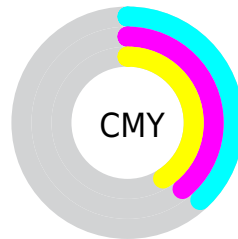


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (38%)



Cyan (38%)

Magenta (39%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6916, 33.3499, 33.6210 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 31.6916, 33.3499, 33.6210 by changing the saturation by 10% instead.

■ 31.6916, 33.3499,
33.6210

■ 31.6916, 33.3499,
33.6210

301.4823,
317.2235, 333.1562

■ 21.2805, 22.3946,
22.3276

■ 61.6958, 64.9214,
66.4710

■ 13.4428, 14.1472,
13.8972

■ 82.0195, 86.3065,
88.8647

■ 7.8132, 8.2231,
7.9113

106.3781,
111.9369, 115.7955

■ 4.0265, 4.2380,
3.9513

135.1370,
142.1971, 147.6821

■ 1.7171, 1.8076,
1.5986

168.6615,
177.4714, 184.9429

■ 0.4670, 0.4919,
0.2899

207.3170,

■ 0.0000, 0.0000,

218.1444, 227.9965

0.0000

251.4688,
264.6002, 277.2614

■ 31.6916, 33.3499,
33.6210

■ 31.6916, 33.3499,
33.6210

■ 29.6283, 31.1348,
27.0393

■ 33.9693, 35.7149,
41.1322

■ 27.7691, 29.0614,
21.3480

■ 36.4657, 38.2290,
49.6054

■ 26.1070, 27.1274,
16.5089

■ 39.1882, 40.8972,
59.0742

■ 24.6337, 25.3284,
12.4795

■ 42.1435, 43.7226,
69.5700

■ 23.3398, 23.6600,
9.2142

■ 45.3374, 46.7084,
81.1226

■ 22.2154, 22.1172,
6.6626

■ 48.7760, 49.8578,
93.7609

■ 21.2492, 20.6949,
4.7681

■ 51.4333, 52.7611,
102.0808

■ 20.4283, 19.3868,
3.4655

■ 52.6255, 55.1454,
102.4782

■ 19.7356, 18.1853,
2.6681

■ 53.8599, 57.6143,
102.8897

Harmonies

Analogous

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



32.1768, 33.3499, 33.9647



31.6916, 33.3499, 33.6210



31.2130, 33.3499, 33.9825

Triad

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



31.6916, 33.3499, 33.6210



30.8737, 33.3499, 37.7268



32.5436, 33.3499, 37.6938

Complementary

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



31.6916, 33.3499, 33.6210



30.2269, 31.7692, 37.3403

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.



32.1882, 33.3499, 38.7464



31.6916, 33.3499, 33.6210



31.2241, 33.3499, 38.7658

Square

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



31.6916, 33.3499, 33.6210



30.7438, 33.3499, 36.3309



31.7046, 33.3499, 39.1437



32.6719, 33.3499, 36.2938

Rectangle

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



31.6916, 33.3499, 33.6210



30.9613, 33.3499, 34.5803



31.7046, 33.3499, 39.1437



32.4465, 33.3499, 38.1013

Sweetspot

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



31.6925, 33.3513, 33.6217



58.1900, 61.2309, 64.8894



30.9547, 31.4840, 34.5830



13.1297, 13.8157, 14.6647



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.6925, 33.3513, 33.6217



56.1896, 59.1274, 58.3736



31.9060, 34.2173, 33.7776



7.0721, 7.4417, 7.3195



15.4075, 14.0507, 1.9000



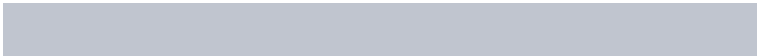
0.3127, 0.3256, 0.0464

Inverse Universe

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



30.2269, 31.7692, 37.3403



52.9139, 55.5914, 66.6848



30.0203, 30.9437, 37.1918



6.6447, 6.9804, 8.4038



5.9816, 4.0547, 26.3746



0.1437, 0.1460, 0.4838

Previews

White Background



This preview shows how the XYZ color 31.6916, 33.3499, 33.6210 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 31.6916, 33.3499, 33.6210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

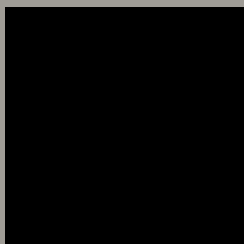
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

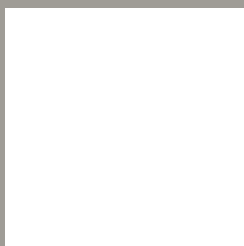
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6916, 33.3499, 33.6210

Background



This preview shows how black text looks on a background with the XYZ color 31.6916, 33.3499, 33.6210.



This preview shows how white text looks on a background with the XYZ color 31.6916, 33.3499,

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

31.6916, 33.3499, 33.6210

Protanopia

31.8907, 33.4525, 33.6303

Deuteranopia

33.8861, 33.2518, 33.9104



Tritanopia

33.1365, 33.4414, 40.7848

Trichromacy



Original Color

31.6916, 33.3499, 33.6210

Protanomaly

31.8907, 33.4525, 33.6303

Deuteranomaly

33.1256, 33.3417, 33.9678

Tritanomaly

32.5637, 33.4543, 37.9987

Monochromacy



Original Color

31.6916, 33.3499, 33.6210

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.6258, 33.2781, 35.3283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6916, 33.3499, 33.6210 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(159, 156, 150)` looks like.

```
.text, #text, p{  
    color:rgb(159, 156, 150)  
}
```

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(159, 156, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 156, 150) }
```

Border

The CSS property to change the border of an element to XYZ 31.6916, 33.3499, 33.6210 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(159, 156, 150) }
```


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

```
.border{ border-color:rgb(159, 156, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 156, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 156, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 156, 150);  
box-shadow:4px 4px 4px 4px rgb(159, 156,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6916, 33.3499, 33.6210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 156, 150) }
```

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

```
.background{ background-color: rgb(159,  
156, 150) }
```

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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