

Converting Colors

XYZ(31.4815, 34.8610, 33.4340)

Have a look what the booklet for
XYZ(31.4815, 34.8610, 33.4340)
contains.

XYZ(31.4820, 34.7829, 33.4883)	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(31.4820, 34.7829,
33.4883)**

Conversions

Conversions Part 1

Format	Color
Hex	99A295
RGB	153, 162, 149
RGB Percent	60%, 64%, 58%
CMY	0.4000, 0.3647, 0.4157
CMYK	0.06, 0.00, 0.08, 0.36
HSL	102°, 7%, 61%
HSV	102°, 8%, 64%
XYZ	31.4820, 34.7829, 33.4883
YIQ	157.8270, -1.1910, -5.9510

Conversions

Conversions Part 2

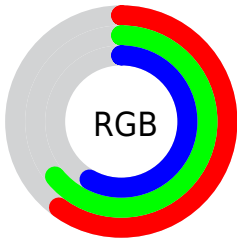
Format	Color
RYB	149, 162, 158
Decimal	10068629
CIELab	65.58, -5.69, 5.65
CIELCh	66, 8.017, 135.176
Yxy	34.7829, 0.3156, 0.3487
Android (android.graphics.Color)	4288258709 (0xFF99A295)
YUV	157.8270, -4.3517, -4.2333
Hunter-Lab	58.9770, -7.9263, 7.6179

Details

The XYZ color **31.4820, 34.7829, 33.4883** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3710, 31.3736, 38.5865**, and the grayscale version is **32.4413, 34.1307, 37.1684**.

A 20% lighter version of the original color is **61.3245, 67.2029, 66.2392**, and **13.2600, 14.8585, 13.7244** is the 20% darker color. If you saturate the color by 10%, you get **28.2591, 33.2616, 27.0490**, and if you desaturate by 10%, it is **35.0858, 36.4818, 40.8861**.

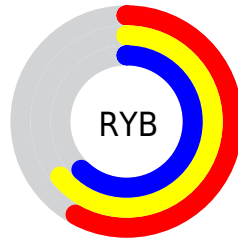
Distribution



Red (60%)

Green (64%)

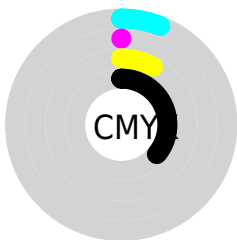
Blue (58%)



Red (58%)

Yellow (64%)

Blue (62%)

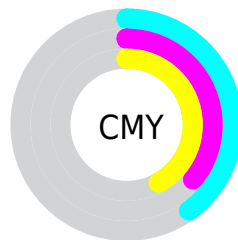


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (36%)



Cyan (40%)

Magenta (36%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4820, 34.7829, 33.4883 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 31.4820, 34.7829, 33.4883 by changing the saturation by 10% instead.

■ 31.4820, 34.7829,
33.4883

■ 31.4820, 34.7829,
33.4883

300.5402,
323.6090, 332.5436

■ 21.1198, 23.4957,
22.2266

■ 61.3688, 67.1493,
66.2619

■ 13.3245, 14.9599,
13.8236

■ 81.6242, 88.9973,
88.6109

■ 7.7309, 8.7913,
7.8607

105.9079,
115.1343, 115.4927

■ 3.9736, 4.6053,
3.9195

134.5854,
145.9448, 147.3260

■ 1.6872, 2.0176,
1.5813

168.0220,
181.8131, 184.5291

■ 0.4483, 0.6177,
0.2774

206.5831,

■ 0.0000, 0.0000,

223.1237, 227.5208

0.0000

250.6340,
270.2608, 276.7194

■ 31.4820, 34.7829,
33.4883

■ 31.4820, 34.7829,
33.4883

■ 28.2591, 33.2616,
27.0490

■ 35.0858, 36.4818,
40.8861

■ 25.4015, 31.9077,
21.5268

■ 39.0800, 38.3592,
49.2770

■ 22.8964, 30.7166,
16.8805

■ 43.4769, 40.4220,
58.6968

■ 20.7294, 29.6817,
13.0652

■ 48.2880, 42.6752,
69.1785

■ 18.8850, 28.7961,
10.0316

■ 53.5237, 45.1235,
80.7540

■ 17.3462, 28.0522,
7.7255

■ 59.1945, 47.7717,
93.4538

■ 16.0944, 27.4419,
6.0857

■ 64.0949, 50.1380,
100.9072

■ 15.1087, 26.9558,
5.0408

■ 67.8434, 52.0704,
101.0826

■ 14.3570, 26.5803,
4.4656

■ 71.8283, 54.1248,
101.2691

Harmonies

Analogous

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



32.4717, 34.7829, 31.9598



31.4820, 34.7829, 33.4883



30.9219, 34.7829, 36.2397

Triad

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



31.4820, 34.7829, 33.4883



32.4849, 34.7829, 44.4847



35.2910, 34.7829, 36.2025

Complementary

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



31.4820, 34.7829, 33.4883



31.3710, 31.3736, 38.5865

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.



35.2947, 34.7829, 39.5539



31.4820, 34.7829, 33.4883



33.6556, 34.7829, 44.4733

Square

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



31.4820, 34.7829, 33.4883



31.4915, 34.7829, 42.6543



34.6901, 34.7829, 42.6239



34.6800, 34.7829, 33.4624

Rectangle

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



31.4820, 34.7829, 33.4883



30.8587, 34.7829, 38.4599



34.6901, 34.7829, 42.6239



35.3637, 34.7829, 37.2914

Sweetspot

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



31.4830, 34.7844, 33.4891



60.9847, 64.9519, 68.6219



32.5335, 34.2668, 33.3338



13.7142, 14.5961, 15.4478



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.



31.4830, 34.7844, 33.4891



55.8281, 62.5208, 58.1188



30.9329, 34.4786, 34.4671



7.1810, 7.9958, 7.5449



11.2483, 20.9092, 3.4430



0.2826, 0.4632, 0.0745

Inverse Universe

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



31.3710, 31.3736, 38.5865



55.5737, 54.7722, 69.6992



31.9607, 31.7019, 37.5183



7.1513, 7.0924, 8.8951



10.4647, 4.8012, 27.3050



0.2647, 0.1240, 0.5758

Previews

White Background



This preview shows how the XYZ color 31.4820, 34.7829, 33.4883 looks on a white background.

Color Contrast Check

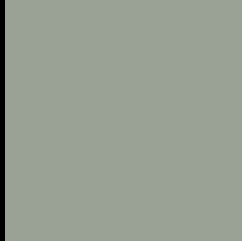
Large Text (above 18pt) WCAG AA × Fail

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 31.4820, 34.7829, 33.4883 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

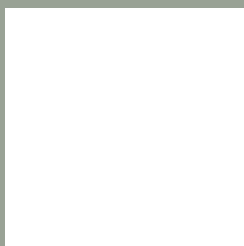
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4820, 34.7829, 33.4883

Background



This preview shows how black text looks on a background with the XYZ color 31.4820, 34.7829, 33.4883.



This preview shows how white text looks on a background with the XYZ color 31.4820, 34.7829,

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

31.4820, 34.7829, 33.4883

Protanopia

33.1816, 34.9022, 32.5917

Deuteranopia

35.5016, 34.8105, 34.1261



Tritanopia

33.4591, 34.8045, 43.4825

Trichromacy



Original Color

31.4820, 34.7829, 33.4883

Protanomaly

32.6140, 34.8568, 33.0261

Deuteranomaly

33.9242, 34.7510, 33.7738

Tritanomaly

32.6992, 34.7545, 39.6352

Monochromacy



Original Color

31.4820, 34.7829, 33.4883

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0248, 34.2308, 35.9297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4820, 34.7829, 33.4883 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(153, 162, 149)` looks like.

```
.text, #text, p{  
    color:rgb(153, 162, 149)  
}
```

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(153, 162, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 162, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.4820, 34.7829, 33.4883 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(153, 162, 149) }
```


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

```
.border{ border-color:rgb(153, 162, 149) }
```

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

Here you see how a box with a 4 pixel rgb(153, 162, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 162, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 162, 149);  
box-shadow:4px 4px 4px 4px rgb(153, 162,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4820, 34.7829, 33.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 162, 149) }
```

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

```
.background{ background-color: rgb(153,  
162, 149) }
```

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