

Converting Colors

XYZ(31.9027, 33.5532, 31.0061)

Have a look what the booklet for
XYZ(31.9027, 33.5532, 31.0061)
contains.

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Color

**XYZ(31.8228, 33.4719,
31.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	A29C90
RGB	162, 156, 144
RGB Percent	64%, 61%, 56%
CMY	0.3647, 0.3882, 0.4353
CMYK	0.00, 0.04, 0.11, 0.36
HSL	40°, 9%, 60%
HSV	40°, 11%, 64%
XYZ	31.8228, 33.4719, 31.1690
YIQ	156.4260, 7.4280, -2.4600

Conversions

Conversions Part 2

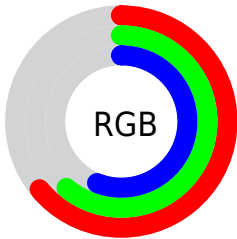
Format	Color
RYB	153, 162, 144
Decimal	10656912
CIELab	64.54, 0.03, 7.05
CIELCh	65, 7.053, 89.741
Yxy	33.4719, 0.3299, 0.3470
Android (android.graphics.Color)	4288846992 (0xFFA29C90)
YUV	156.4260, -6.1260, 4.8884
Hunter-Lab	57.8549, -3.0631, 8.5563

Details

The XYZ color **31.8228, 33.4719, 31.1690** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.9295, 30.3501, 38.5162**, and the grayscale version is **31.8152, 33.4721, 36.4511**.

A 20% lighter version of the original color is **61.8549, 64.9221, 62.6972**, and **13.5024, 14.2263, 12.6240** is the 20% darker color. If you saturate the color by 10%, you get **29.7871, 31.2415, 24.8137**, and if you desaturate by 10%, it is **34.0784, 35.8568, 38.4750**.

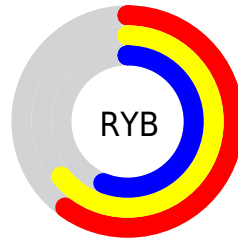
Distribution



Red (64%)

Green (61%)

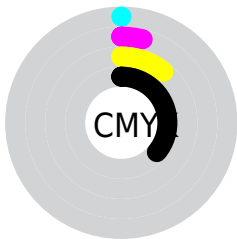
Blue (56%)



Red (60%)

Yellow (64%)

Blue (56%)

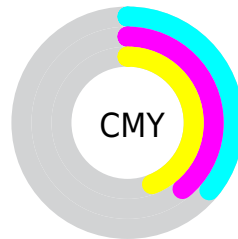


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (36%)



Cyan (36%)

Magenta (39%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8228, 33.4719, 31.1690 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 31.8228, 33.4719, 31.1690 by changing the saturation by 10% instead.

■ 31.8228, 33.4719,
31.1690

■ 31.8228, 33.4719,
31.1690

302.0709,
317.7708, 321.6914

■ 21.3811, 22.4882,
20.4680

■ 61.9003, 65.1116,
62.5887

■ 13.5169, 14.2161,
12.5483

■ 82.2667, 86.5364,
84.1446

■ 7.8649, 8.2711,
6.9912

106.6721,
112.2103, 110.1558

■ 4.0597, 4.2689,
3.3782

135.4818,
142.5177, 141.0409

■ 1.7360, 1.8251,
1.2908

169.0612,
177.8431, 177.2185

■ 0.4786, 0.5027,
0.0543

207.7756,

■ 0.0000, 0.0000,

218.5708, 219.1071

0.0000

251.9904,
265.0853, 267.1252

■ 31.8228, 33.4719,
31.1690

■ 31.8228, 33.4719,
31.1690

■ 29.7871, 31.2415,
24.8137

■ 34.0784, 35.8568,
38.4750

■ 27.9603, 29.1573,
19.3672

■ 36.5586, 38.3957,
46.7670

■ 26.3349, 27.2162,
14.7875

■ 39.2715, 41.0937,
56.0813

■ 24.9016, 25.4139,
11.0284

■ 42.2241, 43.9543,
66.4514

■ 23.6502, 23.7454,
8.0395

■ 45.4228, 46.9809,
77.9094

■ 22.5696, 22.2053,
5.7648

■ 48.8740, 50.1768,
90.4862

■ 21.6472, 20.7876,
4.1404

■ 52.1945, 53.3896,
102.1620

■ 20.8681, 19.4856,
3.0911

■ 53.4159, 55.8324,
102.5692

■ 20.2659, 18.4124,
2.4858

■ 54.6815, 58.3634,
102.9910

Harmonies

Analogous

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



32.8012, 33.4719, 31.8557



31.8228, 33.4719, 31.1690



30.8617, 33.4719, 31.8327

Triad

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



31.8228, 33.4719, 31.1690



30.1599, 33.4719, 39.2702



33.5186, 33.4719, 39.3159

Complementary

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



31.8228, 33.4719, 31.1690



28.9295, 30.3501, 38.5162

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.



32.7857, 33.4719, 41.4830



31.8228, 33.4719, 31.1690



30.8469, 33.4719, 41.4557

Square

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



31.8228, 33.4719, 31.1690



29.9140, 33.4719, 36.4201



31.8053, 33.4719, 42.2856



33.7928, 33.4719, 36.4703

Rectangle

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



31.8228, 33.4719, 31.1690



30.3570, 33.4719, 32.9728



31.8053, 33.4719, 42.2856



33.3169, 33.4719, 40.1533

Sweetspot

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



31.8237, 33.4734, 31.1697



61.0382, 64.2311, 67.1288



30.3790, 29.8304, 33.0113



13.6348, 14.3483, 14.8345



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.



31.8237, 33.4734, 31.1697



56.9506, 59.8796, 53.9782



32.2529, 35.2256, 31.4853



7.4497, 7.8377, 7.5003



16.0065, 14.5870, 1.9719



0.3770, 0.3878, 0.0550

Inverse Universe

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



28.9295, 30.3501, 38.5162



50.7761, 53.2167, 69.6518



28.5279, 28.7587, 38.2302



6.8843, 7.2276, 8.9353



6.2123, 4.2041, 27.4138



0.1725, 0.1723, 0.5900

Previews

White Background



This preview shows how the XYZ color 31.8228, 33.4719, 31.1690 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 31.8228, 33.4719, 31.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

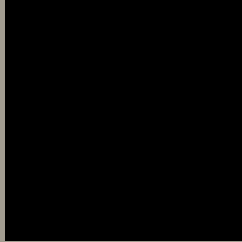
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8228, 33.4719, 31.1690

Background



This preview shows how black text looks on a background with the XYZ color 31.8228, 33.4719, 31.1690.

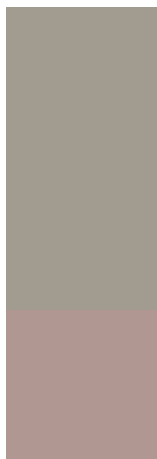


This preview shows how white text looks on a background with the XYZ color 31.8228, 33.4719,

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

31.8228, 33.4719, 31.1690

Protanopia

31.8228, 33.4719, 31.1690

Deuteranopia

34.0819, 33.4077, 31.4401



Tritanopia

33.6998, 33.4984, 40.2870

Trichromacy



Original Color

31.8228, 33.4719, 31.1690

Protanomaly

31.8228, 33.4719, 31.1690

Deuteranomaly

33.2967, 33.4847, 31.4963

Tritanomaly

32.9512, 33.4380, 36.6158

Monochromacy



Original Color

31.8228, 33.4719, 31.1690

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.6565, 33.3130, 34.4673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8228, 33.4719, 31.1690 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(162, 156, 144)` looks like.

```
.text, #text, p{  
    color:rgb(162, 156, 144)  
}
```

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(162, 156, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 156, 144) }
```

Border

The CSS property to change the border of an element to XYZ 31.8228, 33.4719, 31.1690 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(162, 156, 144) }
```


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

```
.border{ border-color:rgb(162, 156, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 156, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 156, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 156, 144);  
box-shadow:4px 4px 4px 4px rgb(162, 156,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8228, 33.4719, 31.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 156, 144) }
```

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

```
.background{ background-color: rgb(162,  
156, 144) }
```

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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