

Converting Colors

XYZ(31.7449, 31.3069, 29.1806)

Have a look what the booklet for
XYZ(31.7449, 31.3069, 29.1806)
contains.

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Color

**XYZ(31.7449, 31.3069,
29.1806)**

Conversions

Conversions Part 1

Format	Color
Hex	AA938C
RGB	170, 147, 140
RGB Percent	67%, 58%, 55%
CMY	0.3333, 0.4235, 0.4510
CMYK	0.00, 0.14, 0.18, 0.33
HSL	14°, 15%, 61%
HSV	14°, 18%, 67%
XYZ	31.7449, 31.3069, 29.1806
YIQ	153.0790, 15.9550, 2.6990

Conversions

Conversions Part 2

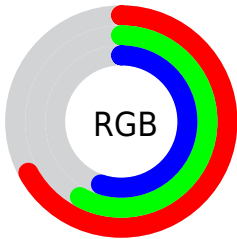
Format	Color
RYB	170, 149, 140
Decimal	11178892
CIELab	62.77, 7.40, 6.86
CIELCh	63, 10.089, 42.817
Yxy	31.3069, 0.3442, 0.3394
Android (android.graphics.Color)	4289368972 (0xFFAA938C)
YUV	153.0790, -6.4479, 14.8397
Hunter-Lab	55.9526, 3.3556, 8.2456

Details

The XYZ color **31.7449, 31.3069, 29.1806** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1679, 34.6714, 43.0800**, and the grayscale version is **30.3356, 31.9155, 34.7559**.

A 20% lighter version of the original color is **61.9883, 61.8371, 59.7076**, and **13.4995, 12.9555, 11.4620** is the 20% darker color. If you saturate the color by 10%, you get **28.6742, 27.0188, 22.4431**, and if you desaturate by 10%, it is **35.2406, 36.1345, 37.0160**.

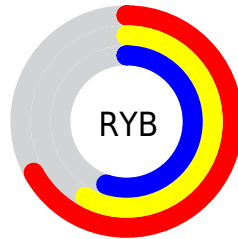
Distribution



Red (67%)

Green (58%)

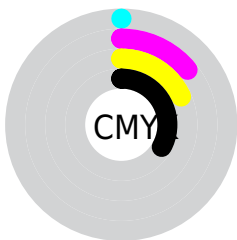
Blue (55%)



Red (67%)

Yellow (58%)

Blue (55%)

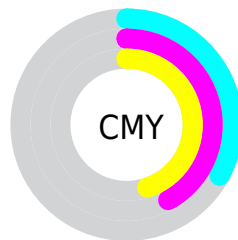


Cyan (0%)

Magenta (14%)

Yellow (18%)

Black (33%)



Cyan (33%)

Magenta (42%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7449, 31.3069, 29.1806 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 31.7449, 31.3069, 29.1806 by changing the saturation by 10% instead.

■ 31.7449, 31.3069,
29.1806

■ 31.7449, 31.3069,
29.1806

301.7215,
307.9497, 312.1537

■ 21.3213, 20.8327,
18.9707

■ 61.7789, 61.7229,
59.4095

■ 13.4729, 13.0017,
11.4725

■ 82.1199, 82.4335,
80.2656

■ 7.8342, 7.4297,
6.2675

■ 106.4976,
107.3250, 105.5076

■ 4.0400, 3.7323,
2.9370

135.2771,
136.7818, 135.5539

■ 1.7248, 1.5250,
1.0625

168.8240,
171.1882, 170.8231

■ 0.4717, 0.3062,
0.0000

207.5034,

■ 0.0000, 0.0000,

210.9288, 211.7338

0.0000

251.6808,
256.3878, 258.7045

■ 31.7449, 31.3069,
29.1806

■ 31.7449, 31.3069,
29.1806

■ 28.6742, 27.0188,
22.4431

■ 35.2406, 36.1345,
37.0160

■ 26.0095, 23.2471,
16.7522

■ 39.1743, 41.5151,
45.9935

■ 23.7339, 19.9734,
12.0557

■ 43.5615, 47.4672,
56.1571

■ 21.8286, 17.1764,
8.2959

■ 48.4165, 54.0071,
67.5479

■ 20.2730, 14.8334,
5.4091

■ 53.7525, 61.1504,
80.2053

■ 19.0443, 12.9195,
3.3237

■ 59.5825, 68.9122,
94.1665

■ 18.1167, 11.4076,
1.9565

■ 65.2678, 77.0464,
106.0392

■ 17.4545, 10.2646,
1.1762

■ 69.2051, 84.9210,
107.3516

■ 17.3259, 10.0425,
1.0252

■ 70.3877, 87.2861,
107.7458

Harmonies

Analogous

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



32.4186, 31.3069, 32.4301



31.7449, 31.3069, 29.1806



30.5469, 31.3069, 27.3326

Triad

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



31.7449, 31.3069, 29.1806



27.2932, 31.3069, 31.8923



30.3486, 31.3069, 42.0456

Complementary

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



31.7449, 31.3069, 29.1806



31.1679, 34.6714, 43.0800

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.



28.9794, 31.3069, 41.8735



31.7449, 31.3069, 29.1806



27.2438, 31.3069, 35.8012

Square

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



31.7449, 31.3069, 29.1806



27.9894, 31.3069, 28.8131



27.8525, 31.3069, 39.5166



31.5959, 31.3069, 39.9700

Rectangle

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



31.7449, 31.3069, 29.1806



29.6261, 31.3069, 27.0488



27.8525, 31.3069, 39.5166



29.8868, 31.3069, 42.2531

Sweetspot

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



31.7458, 31.3083, 29.1813



65.6874, 67.9601, 71.1243



32.5669, 29.9469, 38.7145



14.5433, 15.0111, 15.6220



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.7458, 31.3083, 29.1813



55.4297, 53.7869, 48.1527



34.2319, 36.2805, 30.0100



7.6680, 7.8160, 7.8938



12.7818, 7.4609, 0.7664



0.3484, 0.2563, 0.0311

Inverse Universe

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



31.1679, 34.6714, 43.0800



54.1906, 60.9860, 77.9172



28.6612, 29.6579, 42.2445



7.5969, 8.2307, 9.6066



11.2844, 14.0289, 30.0886



0.3098, 0.4119, 0.7438

Previews

White Background



This preview shows how the XYZ color 31.7449, 31.3069, 29.1806 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 31.7449, 31.3069, 29.1806 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

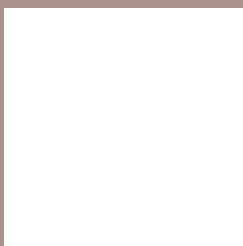
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7449, 31.3069, 29.1806

Background



This preview shows how black text looks on a background with the XYZ color 31.7449, 31.3069, 29.1806.



This preview shows how white text looks on a background with the XYZ color 31.7449, 31.3069,

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

31.7449, 31.3069, 29.1806

Protanopia

29.8537, 31.2543, 30.0504

Deuteranopia

31.9619, 31.4188, 29.1908



Tritanopia

33.1394, 31.4218, 35.7709

Trichromacy



Original Color

31.7449, 31.3069, 29.1806

Protanomaly

30.6144, 31.4172, 29.6499

Deuteranomaly

31.9619, 31.4188, 29.1908

Tritanomaly

32.5785, 31.4177, 33.2013

Monochromacy



Original Color

31.7449, 31.3069, 29.1806

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7100, 31.6423, 32.5060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7449, 31.3069, 29.1806 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(170, 147, 140)` looks like.

```
.text, #text, p{  
    color:rgb(170, 147, 140)  
}
```

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(170, 147, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 147, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.7449, 31.3069, 29.1806 is called "border". The border property can be set on classes, ids or directly on the HTML element.

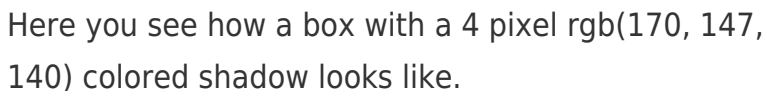
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 147, 140) }
```


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

```
.border{ border-color:rgb(170, 147, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 147, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 147, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 147, 140); box-shadow:4px 4px 4px 4px rgb(170, 147, 140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7449, 31.3069, 29.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 147, 140) }
```

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

```
.background{ background-color: rgb(170,  
147, 140) }
```

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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