

Converting Colors

XYZ(31.1314, 31.0053, 28.4922)

Have a look what the booklet for
XYZ(31.1314, 31.0053, 28.4922)
contains.

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Color

**XYZ(31.1696, 31.0272,
28.3908)**

Conversions

Conversions Part 1

Format	Color
Hex	A8938A
RGB	168, 147, 138
RGB Percent	66%, 58%, 54%
CMY	0.3412, 0.4235, 0.4588
CMYK	0.00, 0.12, 0.18, 0.34
HSL	18°, 15%, 60%
HSV	18°, 18%, 66%
XYZ	31.1696, 31.0272, 28.3908
YIQ	152.2530, 15.4050, 1.6530

Conversions

Conversions Part 2

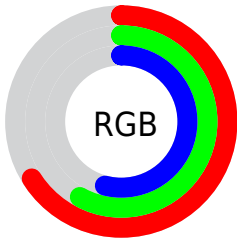
Format	Color
RYB	168, 151, 138
Decimal	11047818
CIELab	62.53, 6.31, 7.63
CIELCh	63, 9.895, 50.409
Yxy	31.0272, 0.3441, 0.3425
Android (android.graphics.Color)	4289237898 (0xFFA8938A)
YUV	152.2530, -7.0267, 13.8101
Hunter-Lab	55.7021, 2.4059, 8.7719

Details

The XYZ color **31.1696, 31.0272, 28.3908** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9471, 33.0260, 41.8423**, and the grayscale version is **29.9797, 31.5410, 34.3481**.

A 20% lighter version of the original color is **60.7220, 61.2229, 57.9070**, and **13.1468, 12.7833, 11.0070** is the 20% darker color. If you saturate the color by 10%, you get **28.3104, 27.1069, 21.8939**, and if you desaturate by 10%, it is **34.4056, 35.3994, 35.9423**.

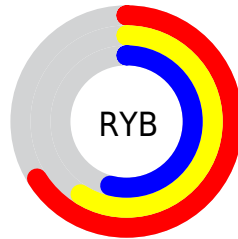
Distribution



Red (66%)

Green (58%)

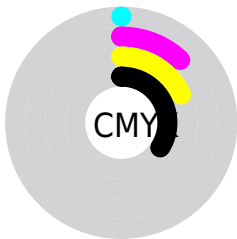
Blue (54%)



Red (66%)

Yellow (59%)

Blue (54%)

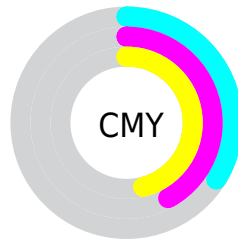


Cyan (0%)

Magenta (12%)

Yellow (18%)

Black (34%)



Cyan (34%)

Magenta (42%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1696, 31.0272, 28.3908 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 31.1696, 31.0272, 28.3908 by changing the saturation by 10% instead.

■ 31.1696, 31.0272,
28.3908

■ 31.1696, 31.0272,
28.3908

299.1318,
306.6636, 308.3001

■ 20.8805, 20.6196,
18.3789

■ 60.8810, 61.2829,
58.1384

■ 13.1486, 12.8462,
11.0501

■ 81.0340, 81.8997,
78.7111

■ 7.6087, 7.3227,
5.9859

■ 105.2057,
106.6884, 103.6411

■ 3.8953, 3.6647,
2.7679

133.7615,
136.0334, 133.3470

■ 1.6431, 1.4878,
0.9774

167.0666,
170.3190, 168.2473

■ 0.4202, 0.2802,
0.0000

205.4865,

■ 0.0000, 0.0000,

209.9296, 208.7606

0.0000

249.3864,
255.2497, 255.3053

■ 31.1696, 31.0272,
28.3908

■ 31.1696, 31.0272,
28.3908

■ 28.3104, 27.1069,
21.8939

■ 34.4056, 35.3994,
35.9423

■ 25.8113, 23.6197,
16.4024

■ 38.0292, 40.2332,
44.5907

■ 23.6578, 20.5515,
11.8660

■ 42.0542, 45.5434,
54.3784

■ 21.8339, 17.8860,
8.2294

■ 46.4925, 51.3426,
65.3448

■ 20.3216, 15.6056,
5.4313

■ 51.3557, 57.6432,
77.5278

■ 19.1015, 13.6914,
3.4028

■ 56.6551, 64.4570,
90.9631

■ 18.1513, 12.1226,
2.0639

■ 62.3044, 71.7565,
105.1743

■ 17.4385, 10.8733,
1.2830

■ 65.6748, 78.4974,
106.2978

■ 17.3071, 10.6419,
1.1419

■ 69.2699, 85.6876,
107.4962

Harmonies

Analogous

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



31.9814, 31.0272, 31.2656



31.1696, 31.0272, 28.3908



29.9234, 31.0272, 26.9935

Triad

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



31.1696, 31.0272, 28.3908



27.0130, 31.0272, 32.5642



30.4016, 31.0272, 41.2118

Complementary

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



31.1696, 31.0272, 28.3908



29.9471, 33.0260, 41.8423

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.



29.0616, 31.0272, 41.6258



31.1696, 31.0272, 28.3908



27.1322, 31.0272, 36.4327

Square

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



31.1696, 31.0272, 28.3908



27.5419, 31.0272, 29.2793



27.8727, 31.0272, 39.8188



31.5287, 31.0272, 38.7272

Rectangle

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



31.1696, 31.0272, 28.3908



29.0256, 31.0272, 27.0093



27.8727, 31.0272, 39.8188



29.9602, 31.0272, 41.6047

Sweetspot

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



31.1704, 31.0286, 28.3915



64.1802, 66.5772, 69.3589



31.4953, 29.0054, 36.7398



13.8949, 14.3857, 14.8950



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.



31.1704, 31.0286, 28.3915



54.6552, 53.7027, 47.1456



33.6566, 36.0008, 29.2202



7.7078, 7.8957, 7.9071



13.1098, 8.1168, 0.8757



0.3631, 0.2859, 0.0360

Inverse Universe

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



29.9471, 33.0260, 41.8423



52.0602, 57.9351, 75.6638



27.5228, 28.1774, 41.0342



7.5547, 8.1462, 9.5926



10.2390, 11.9382, 29.7401



0.2907, 0.3735, 0.7374

Previews

White Background



This preview shows how the XYZ color 31.1696, 31.0272, 28.3908 looks on a white background.

Color Contrast Check

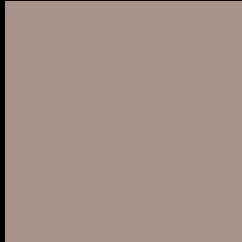
Large Text (above 18pt) WCAG AA × Fail

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 31.1696, 31.0272, 28.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

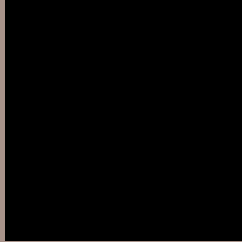
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1696, 31.0272, 28.3908

Background



This preview shows how black text looks on a background with the XYZ color 31.1696, 31.0272, 28.3908.



This preview shows how white text looks on a background with the XYZ color 31.1696, 31.0272,

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

31.1696, 31.0272, 28.3908

Protanopia

29.7049, 31.1948, 29.2665

Deuteranopia

31.6609, 31.0507, 28.3694



Tritanopia

32.5516, 30.8929, 35.6998

Trichromacy



Original Color

31.1696, 31.0272, 28.3908

Protanomaly

30.2645, 31.2538, 28.8636

Deuteranomaly

31.4439, 30.9388, 28.3593

Tritanomaly

31.9124, 30.8557, 32.7076

Monochromacy



Original Color

31.1696, 31.0272, 28.3908

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2734, 31.1884, 32.0281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1696, 31.0272, 28.3908 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, 147, 138)` looks like.

```
.text, #text, p{  
    color:rgb(168, 147, 138)  
}
```

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, 147, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 147, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.1696, 31.0272, 28.3908 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, 147, 138) }
```


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

```
.border{ border-color:rgb(168, 147, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 147, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 147, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 147, 138);  
box-shadow:4px 4px 4px 4px rgb(168, 147,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1696, 31.0272, 28.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 147, 138) }
```

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

```
.background{ background-color: rgb(168,  
147, 138) }
```

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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