

Converting Colors

XYZ(30.8451, 31.9071, 28.9943)

Have a look what the booklet for
XYZ(30.8451, 31.9071, 28.9943)
contains.

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Color

**XYZ(30.8311, 31.7838,
28.9360)**

Conversions

Conversions Part 1

Format	Color
Hex	A3978B
RGB	163, 151, 139
RGB Percent	64%, 59%, 55%
CMY	0.3608, 0.4078, 0.4549
CMYK	0.00, 0.07, 0.15, 0.36
HSL	30°, 12%, 59%
HSV	30°, 15%, 64%
XYZ	30.8311, 31.7838, 28.9360
YIQ	153.2200, 11.0040, -1.1880

Conversions

Conversions Part 2

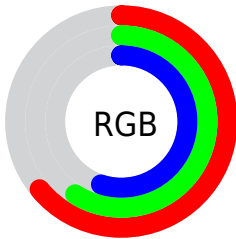
Format	Color
RYB	163, 163, 139
Decimal	10721163
CIELab	63.16, 2.32, 7.90
CIELCh	63, 8.239, 73.614
Yxy	31.7838, 0.3368, 0.3472
Android (android.graphics.Color)	4288911243 (0xFFA3978B)
YUV	153.2200, -7.0105, 8.5771
Hunter-Lab	56.3771, -1.0432, 9.0329

Details

The XYZ color **30.8311, 31.7838, 28.9360** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.3249, 30.2661, 38.9998**, and the grayscale version is **30.4010, 31.9842, 34.8308**.

A 20% lighter version of the original color is **60.2592, 62.3738, 58.7325**, and **12.9159, 13.2151, 11.3212** is the 20% darker color. If you saturate the color by 10%, you get **28.4617, 28.8109, 22.7019**, and if you desaturate by 10%, it is **33.4705, 35.0119, 36.1370**.

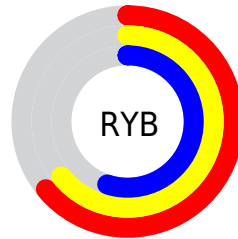
Distribution



Red (64%)

Green (59%)

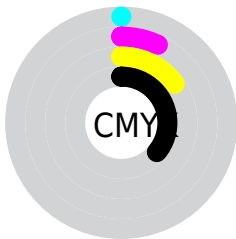
Blue (55%)



Red (64%)

Yellow (64%)

Blue (55%)

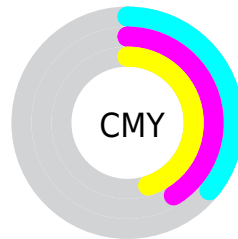


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (36%)



Cyan (36%)

Magenta (41%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8311, 31.7838, 28.9360 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 30.8311, 31.7838, 28.9360 by changing the saturation by 10% instead.

■ 30.8311, 31.7838,
28.9360

■ 30.8311, 31.7838,
28.9360

297.6002,
310.1332, 310.9643

■ 20.6215, 21.1964,
18.7872

■ 60.3517, 62.4720,
59.0164

■ 12.9585, 13.2677,
11.3414

■ 80.3934, 83.3416,
79.7850

■ 7.4768, 7.6131,
6.1799

■ 104.4431,
108.4074, 104.9308

■ 3.8110, 3.8484,
2.8842

132.8663,
138.0538, 134.8721

■ 1.5958, 1.5891,
1.0358

166.0282,
172.6652, 170.0276

■ 0.3896, 0.3503,
0.0000

204.2943,

■ 0.0000, 0.0000,

212.6260, 210.8158

0.0000

248.0299,
258.3205, 257.6552

■ 30.8311, 31.7838,
28.9360

■ 30.8311, 31.7838,
28.9360

■ 28.4617, 28.8109,
22.7019

■ 33.4705, 35.0119,
36.1370

■ 26.3501, 26.0821,
17.3908

■ 36.3864, 38.4974,
44.3423

■ 24.4868, 23.5918,
12.9585

■ 39.5883, 42.2479,
53.5894

■ 22.8608, 21.3324,
9.3561

■ 43.0845, 46.2694,
63.9136

■ 21.4599, 19.2958,
6.5301

■ 46.8828, 50.5677,
75.3485

■ 20.2709, 17.4735,
4.4206

■ 50.9909, 55.1482,
87.9261

■ 19.2786, 15.8560,
2.9585

■ 55.4161, 60.0165,
101.6772

■ 18.4649, 14.4322,
2.0595

■ 57.7587, 64.2151,
103.9583

■ 18.0857, 13.7491,
1.7006

■ 59.9007, 68.4992,
104.6723

Harmonies

Analogous

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



31.8218, 31.7838, 30.4616



30.8311, 31.7838, 28.9360



29.6974, 31.7838, 28.8664

Triad

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



30.8311, 31.7838, 28.9360



28.1322, 31.7838, 36.1034



31.7443, 31.7838, 39.3458

Complementary

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



30.8311, 31.7838, 28.9360



28.3249, 30.2661, 38.9998

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.



30.7276, 31.7838, 41.0626



30.8311, 31.7838, 28.9360



28.6527, 31.7838, 39.1128

Square

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



30.8311, 31.7838, 28.9360



28.1584, 31.7838, 32.8691



29.5964, 31.7838, 40.9747



32.3580, 31.7838, 36.4054

Rectangle

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



30.8311, 31.7838, 28.9360



29.0142, 31.7838, 29.6459



29.5964, 31.7838, 40.9747



31.4373, 31.7838, 40.0932

Sweetspot

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



30.8320, 31.7852, 28.9367



60.2663, 63.0941, 65.6170



29.9232, 28.4866, 33.1999



13.4541, 14.0723, 14.5113



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.



30.8320, 31.7852, 28.9367



53.6300, 54.9496, 47.5960



32.8621, 35.8455, 29.6134



7.3527, 7.6438, 7.4680



14.1012, 10.7763, 1.3368



0.3436, 0.3209, 0.0438

Inverse Universe

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



28.3249, 30.2661, 38.9998



48.1767, 51.6452, 69.4855



26.4914, 26.5990, 38.3886



6.9793, 7.4175, 8.9669



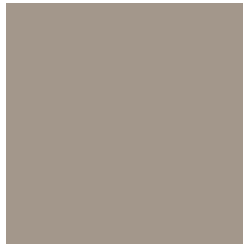
7.4980, 6.7754, 27.8424



0.2048, 0.2369, 0.6008

Previews

White Background



This preview shows how the XYZ color 30.8311, 31.7838, 28.9360 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 30.8311, 31.7838, 28.9360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

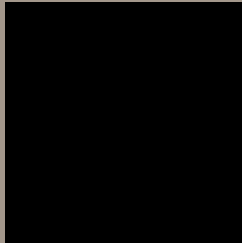
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8311, 31.7838, 28.9360

Background



This preview shows how black text looks on a background with the XYZ color 30.8311, 31.7838, 28.9360.



This preview shows how white text looks on a background with the XYZ color 30.8311, 31.7838,

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

30.8311, 31.7838, 28.9360

Protanopia

30.2599, 31.7209, 29.3388

Deuteranopia

32.4009, 31.6451, 29.2113



Tritanopia

32.6610, 31.8249, 37.6791

Trichromacy



Original Color

30.8311, 31.7838, 28.9360

Protanomaly

30.4591, 31.8235, 29.3481

Deuteranomaly

31.6857, 31.5083, 29.2226

Tritanomaly

31.9320, 31.7612, 34.1533

Monochromacy



Original Color

30.8311, 31.7838, 28.9360

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.4782, 31.7627, 32.5414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8311, 31.7838, 28.9360 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(163, 151, 139)` looks like.

```
.text, #text, p{  
    color:rgb(163, 151, 139)  
}
```

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(163, 151, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 151, 139) }
```

Border

The CSS property to change the border of an element to XYZ 30.8311, 31.7838, 28.9360 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(163, 151, 139) }
```


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

```
.border{ border-color:rgb(163, 151, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 151, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 151, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 151, 139);  
box-shadow:4px 4px 4px 4px rgb(163, 151,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8311, 31.7838, 28.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 151, 139) }
```

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

```
.background{ background-color: rgb(163,  
151, 139) }
```

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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