

Converting Colors

XYZ(31.7521, 33.1366, 27.9834)

Have a look what the booklet for
XYZ(31.7521, 33.1366, 27.9834)
contains.

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Color

**XYZ(31.8912, 33.3273,
28.0445)**

Conversions

Conversions Part 1

Format	Color
Hex	A69B88
RGB	166, 155, 136
RGB Percent	65%, 61%, 53%
CMY	0.3490, 0.3921, 0.4667
CMYK	0.00, 0.07, 0.18, 0.35
HSL	38°, 14%, 59%
HSV	38°, 18%, 65%
XYZ	31.8912, 33.3273, 28.0445
YIQ	156.1230, 12.6550, -3.5770

Conversions

Conversions Part 2

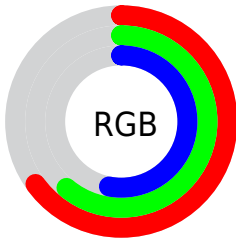
Format	Color
RYB	153, 166, 136
Decimal	10918792
CIELab	64.43, 0.78, 11.41
CIELCh	64, 11.440, 86.085
Yxy	33.3273, 0.3419, 0.3573
Android (android.graphics.Color)	4289108872 (0xFFA69B88)
YUV	156.1230, -9.9206, 8.6621
Hunter-Lab	57.7298, -2.4199, 11.6084

Details

The XYZ color **31.8912, 33.3273, 28.0445** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.4699, 28.8542, 40.1983**, and the grayscale version is **31.6945, 33.3451, 36.3128**.

A 20% lighter version of the original color is **61.8046, 64.6472, 57.3648**, and **13.5695, 14.1499, 10.8201** is the 20% darker color. If you saturate the color by 10%, you get **29.8147, 30.9181, 21.9757**, and if you desaturate by 10%, it is **34.2033, 35.9147, 35.0941**.

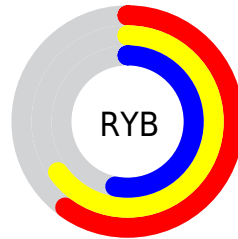
Distribution



Red (65%)

Green (61%)

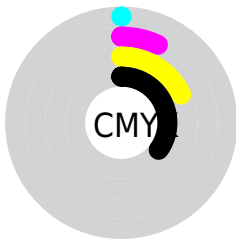
Blue (53%)



Red (60%)

Yellow (65%)

Blue (53%)

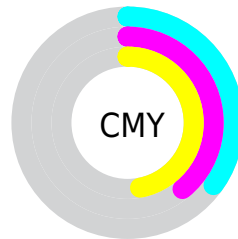


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (35%)



Cyan (35%)

Magenta (39%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8912, 33.3273, 28.0445 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 31.8912, 33.3273, 28.0445 by changing the saturation by 10% instead.

■ 31.8912, 33.3273,
28.0445

■ 31.8912, 33.3273,
28.0445

302.3774,
317.1220, 306.5981

■ 21.4336, 22.3773,
18.1199

■ 62.0068, 64.8862,
57.5794

■ 13.5555, 14.1344,
10.8658

■ 82.3955, 86.2639,
78.0268

■ 7.8918, 8.2142,
5.8636

■ 106.8253,
111.8862, 102.8189

■ 4.0770, 4.2323,
2.6949

135.6615,
142.1376, 132.3742

■ 1.7458, 1.8043,
0.9408

169.2694,
177.4025, 167.1112

■ 0.4847, 0.4899,
0.0000

208.0145,

■ 0.0000, 0.0000,

218.0653, 207.4485

0.0000

252.2620,
264.5103, 253.8046

■ 31.8912, 33.3273,
28.0445

■ 31.8912, 33.3273,
28.0445

■ 29.8147, 30.9181,
21.9757

■ 34.2033, 35.9147,
35.0941

■ 27.9619, 28.6777,
16.8413

■ 36.7569, 38.6804,
43.1640

■ 26.3240, 26.6025,
12.5940

■ 39.5610, 41.6302,
52.2941

■ 24.8904, 24.6870,
9.1817

■ 42.6233, 44.7684,
62.5213

■ 23.6493, 22.9253,
6.5469

■ 45.9511, 48.0989,
73.8810

■ 22.5876, 21.3108,
4.6242

■ 49.5513, 51.6258,
86.4068

■ 21.6901, 19.8361,
3.3381

■ 53.4309, 55.3526,
100.1311

■ 20.9313, 18.4895,
2.5575

■ 55.2935, 58.3620,
102.9585

■ 20.7932, 18.2414,
2.4250

■ 56.7652, 61.3054,
103.4490

Harmonies

Analogous

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



33.4588, 33.3273, 29.3330



31.8912, 33.3273, 28.0445



30.3176, 33.3273, 28.8040

Triad

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



31.8912, 33.3273, 28.0445



28.9426, 33.3273, 40.3820



34.3511, 33.3273, 41.5333

Complementary

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



31.8912, 33.3273, 28.0445



27.4699, 28.8542, 40.1983

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.



33.0757, 33.3273, 44.9670



31.8912, 33.3273, 28.0445



29.9588, 33.3273, 44.2632

Square

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



31.8912, 33.3273, 28.0445



28.6497, 33.3273, 35.6780



31.4630, 33.3273, 46.0061



34.9095, 33.3273, 36.9044

Rectangle

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



31.8912, 33.3273, 28.0445



29.4707, 33.3273, 30.4079



31.4630, 33.3273, 46.0061



33.9899, 33.3273, 42.8805

Sweetspot

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



31.8921, 33.3288, 28.0452



63.4093, 66.6421, 67.8580



29.7969, 27.8223, 31.4039



14.1213, 14.8385, 14.9705



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.



31.8921, 33.3288, 28.0452



56.1944, 58.5521, 45.9080



32.9808, 36.7317, 28.6447



7.9122, 8.3045, 7.9752



16.1696, 14.2365, 1.8957



0.4396, 0.4388, 0.0615

Inverse Universe

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



27.4699, 28.8542, 40.1983



46.5417, 48.7864, 72.4390



26.5027, 25.9374, 39.6863



7.3486, 7.7341, 9.5239



6.6665, 4.7931, 28.5493



0.2110, 0.2143, 0.7109

Previews

White Background



This preview shows how the XYZ color 31.8912, 33.3273, 28.0445 looks on a white background.

Color Contrast Check

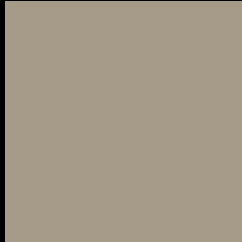
Large Text (above 18pt) WCAG AA × Fail

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 31.8912, 33.3273, 28.0445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

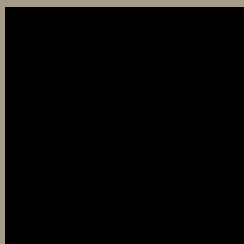
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

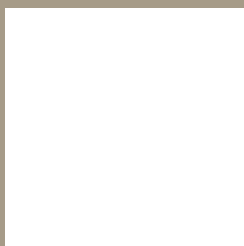
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8912, 33.3273, 28.0445

Background



This preview shows how black text looks on a background with the XYZ color 31.8912, 33.3273, 28.0445.

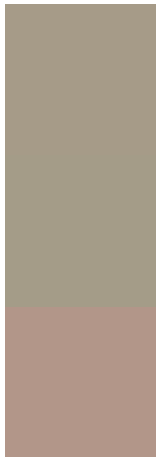


This preview shows how white text looks on a background with the XYZ color 31.8912, 33.3273,

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

31.8912, 33.3273, 28.0445

Protanopia

31.6422, 33.4470, 28.0807

Deuteranopia

33.7818, 33.0838, 28.2722



Tritanopia

34.2550, 33.3236, 39.2770

Trichromacy



Original Color

31.8912, 33.3273, 28.0445

Protanomaly

31.8495, 33.5538, 28.0904

Deuteranomaly

33.1992, 33.2613, 28.3372

Tritanomaly

33.3402, 33.1914, 34.7864

Monochromacy



Original Color

31.8912, 33.3273, 28.0445

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.8105, 33.4204, 33.2080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8912, 33.3273, 28.0445 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(166, 155, 136)` looks like.

```
.text, #text, p{  
    color:rgb(166, 155, 136)  
}
```

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(166, 155, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 155, 136) }
```

Border

The CSS property to change the border of an element to XYZ 31.8912, 33.3273, 28.0445 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(166, 155, 136) }
```


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

```
.border{ border-color:rgb(166, 155, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 155, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 155, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 155, 136);  
box-shadow:4px 4px 4px 4px rgb(166, 155,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8912, 33.3273, 28.0445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 155, 136) }
```

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

```
.background{ background-color: rgb(166,  
155, 136) }
```

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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