

Converting Colors

XYZ(28.8460, 31.4367, 23.8742)

Have a look what the booklet for
XYZ(28.8460, 31.4367, 23.8742)
contains.

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Color

**XYZ(28.8032, 31.3311,
23.9314)**

Conversions

Conversions Part 1

Format	Color
Hex	9C997D
RGB	156, 153, 125
RGB Percent	61%, 60%, 49%
CMY	0.3882, 0.4000, 0.5098
CMYK	0.00, 0.02, 0.20, 0.39
HSL	54°, 14%, 55%
HSV	54°, 20%, 61%
XYZ	28.8032, 31.3311, 23.9314
YIQ	150.7050, 10.7760, -8.0720

Conversions

Conversions Part 2

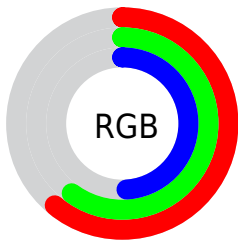
Format	Color
RYB	128, 156, 125
Decimal	10262909
CIELab	62.79, -3.75, 15.14
CIElCh	63, 15.598, 103.917
Yxy	31.3311, 0.3426, 0.3727
Android (android.graphics.Color)	4288452989 (0xFF9C997D)
YUV	150.7050, -12.6726, 4.6437
Hunter-Lab	55.9742, -6.1023, 13.8329

Details

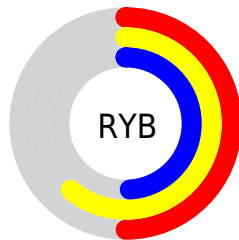
The XYZ color **28.8032, 31.3311, 23.9314** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.1772, 22.1980, 34.5684**, and the grayscale version is **29.3392, 30.8672, 33.6143**.

A 20% lighter version of the original color is **57.2127, 61.6889, 51.0112**, and **11.7648, 12.9676, 8.7204** is the 20% darker color. If you saturate the color by 10%, you get **27.6390, 30.4741, 19.0068**, and if you desaturate by 10%, it is **30.1287, 32.2598, 29.6828**.

Distribution



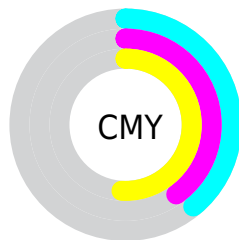
- Red (61%)
- Green (60%)
- Blue (49%)



- Red (50%)
- Yellow (61%)
- Blue (49%)



- Cyan (0%)
- Magenta (2%)
- Yellow (20%)
- Black (39%)



- Cyan (39%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8032, 31.3311, 23.9314 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 28.8032, 31.3311, 23.9314 by changing the saturation by 10% instead.

■ 28.8032, 31.3311,
23.9314

■ 28.8032, 31.3311,
23.9314

288.2962,
308.0608, 285.7489

■ 19.0755, 20.8511,
15.0710

■ 57.1640, 61.7610,
50.8607

■ 11.8292, 13.0152,
8.7221

■ 76.5278, 82.4797,
69.7666

■ 6.6988, 7.4390,
4.4660

■ 99.8344, 107.3800,
92.8582

■ 3.3191, 3.7381,
1.8843

127.4491,
136.8464, 120.5539

■ 1.3247, 1.5282,
0.4827

159.7373,
171.2633, 153.2722

■ 0.2016, 0.3084,
0.0000

197.0643,

■ 0.0000, 0.0000,

211.0151, 191.4318

0.0000

239.7955,
256.4861, 235.4512

■ 28.8032, 31.3311,
23.9314

■ 28.8032, 31.3311,
23.9314

■ 27.6390, 30.4741,
19.0068

■ 30.1287, 32.2598,
29.6828

■ 26.6264, 29.6816,
14.8687

■ 31.6199, 33.2586,
36.2949

■ 25.7582, 28.9519,
11.4763

■ 33.2841, 34.3317,
43.8021

■ 25.0260, 28.2815,
8.7842

■ 35.1272, 35.4814,
52.2364

■ 24.4201, 27.6666,
6.7425

■ 37.1551, 36.7101,
61.6282

■ 23.9299, 27.1027,
5.2943

■ 39.3734, 38.0200,
72.0064

■ 23.5425, 26.5850,
4.3730

■ 41.7872, 39.4132,
83.3987

■ 23.2278, 26.1011,
3.8196

■ 44.4016, 40.8918,
95.8320

■ 23.2239, 26.0950,
3.8128

■ 45.5011, 41.7695,
100.2719

Harmonies

Analogous

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



30.9306, 31.3311, 24.0223



28.8032, 31.3311, 23.9314



27.0228, 31.3311, 26.3297

Triad

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



28.8032, 31.3311, 23.9314



26.9201, 31.3311, 42.9320



33.8987, 31.3311, 37.4746

Complementary

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



28.8032, 31.3311, 23.9314



22.1772, 22.1980, 34.5684

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.



32.7171, 31.3311, 43.2993



28.8032, 31.3311, 23.9314



28.6569, 31.3311, 46.6980

Square

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



28.8032, 31.3311, 23.9314



25.9712, 31.3311, 37.0195



30.7771, 31.3311, 46.8399



33.9425, 31.3311, 31.3651

Rectangle

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



28.8032, 31.3311, 23.9314



26.2437, 31.3311, 29.2037



30.7771, 31.3311, 46.8399



33.6190, 31.3311, 39.5466

Sweetspot

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



28.8040, 31.3325, 23.9321



55.7024, 59.2580, 58.2320



24.9471, 23.2966, 23.6388



12.2225, 13.0161, 12.6613



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.8040, 31.3325, 23.9321



51.3067, 56.1756, 39.1668



27.0222, 31.1511, 23.9910



7.1154, 7.6107, 7.0797



19.1431, 21.5219, 3.1452



0.3566, 0.4134, 0.0610

Inverse Universe

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



22.1772, 22.1980, 34.5684



36.9556, 36.3948, 62.2039



23.7169, 22.4201, 34.5301



6.3338, 6.5333, 8.3339



5.0972, 2.2859, 26.0798



0.1044, 0.0675, 0.4707

Previews

White Background



This preview shows how the XYZ color 28.8032, 31.3311, 23.9314 looks on a white background.

Color Contrast Check

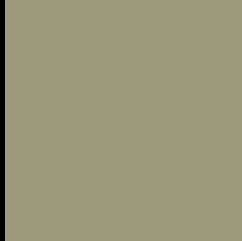
Large Text (above 18pt) WCAG AA × Fail

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 28.8032, 31.3311, 23.9314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

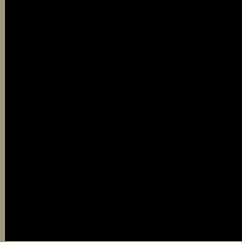
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8032, 31.3311, 23.9314

Background



This preview shows how black text looks on a background with the XYZ color 28.8032, 31.3311, 23.9314.



This preview shows how white text looks on a background with the XYZ color 28.8032, 31.3311,

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

28.8032, 31.3311, 23.9314

Protanopia

29.5643, 31.4888, 23.5885

Deuteranopia

31.7240, 31.1781, 24.0846



Tritanopia

31.6330, 31.2949, 37.6310

Trichromacy



Original Color

28.8032, 31.3311, 23.9314

Protanomaly

29.1644, 31.2826, 23.5698

Deuteranomaly

30.6618, 31.3261, 24.1692

Tritanomaly

30.4709, 31.2902, 32.0374

Monochromacy



Original Color

28.8032, 31.3311, 23.9314

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2476, 31.1818, 30.0684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8032, 31.3311, 23.9314 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(156, 153, 125)` looks like.

```
.text, #text, p{  
    color:rgb(156, 153, 125)  
}
```

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(156, 153, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 153, 125) }
```

Border

The CSS property to change the border of an element to XYZ 28.8032, 31.3311, 23.9314 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(156, 153, 125) }
```


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

```
.border{ border-color:rgb(156, 153, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 153, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 153, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 153, 125);  
box-shadow:4px 4px 4px 4px rgb(156, 153,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8032, 31.3311, 23.9314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 153, 125) }
```

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

```
.background{ background-color: rgb(156,  
153, 125) }
```

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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