

Converting Colors

XYZ(31.4399, 29.7018, 23.4780)

Have a look what the booklet for
XYZ(31.4399, 29.7018, 23.4780)
contains.

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Color

**XYZ(31.4399, 29.7018,
23.4780)**

Conversions

Conversions Part 1

Format	Color
Hex	B28C7D
RGB	178, 140, 125
RGB Percent	70%, 55%, 49%
CMY	0.3020, 0.4510, 0.5098
CMYK	0.00, 0.21, 0.30, 0.30
HSL	17°, 26%, 59%
HSV	17°, 30%, 70%
XYZ	31.4399, 29.7018, 23.4780
YIQ	149.6520, 27.4630, 3.3910

Conversions

Conversions Part 2

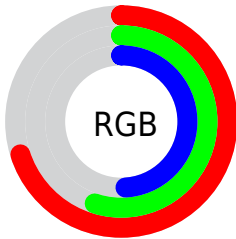
Format	Color
R_{YB}	178, 146, 125
Decimal	11701373
CIE _{Lab}	61.40, 12.19, 13.51
CIE _{LCh}	61, 18.197, 47.941
Yxy	29.7018, 0.3715, 0.3510
Android (android.graphics.Color)	4289891453 (0xFFB28C7D)
YUV	149.6520, -12.1534, 24.8612
Hunter-Lab	54.4994, 7.6002, 12.6078

Details

The XYZ color **31.4399, 29.7018, 23.4780** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **29.5903, 33.7679, 47.0780**, and the grayscale version is **28.8843, 30.3886, 33.0931**.

A 20% lighter version of the original color is **61.5886, 59.4601, 50.3504**, and **13.2729, 12.1192, 8.4772** is the 20% darker color. If you saturate the color by 10%, you get **28.6455, 25.7725, 17.4303**, and if you desaturate by 10%, it is **34.6560, 34.1480, 30.6724**.

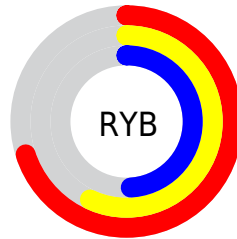
Distribution



Red (70%)

Green (55%)

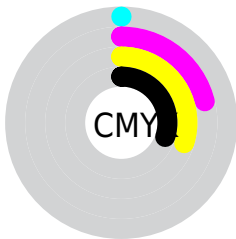
Blue (49%)



Red (70%)

Yellow (57%)

Blue (49%)

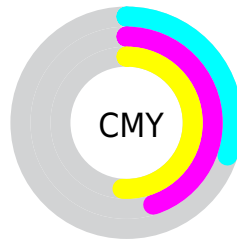


Cyan (0%)

Magenta (21%)

Yellow (30%)

Black (30%)



Cyan (30%)


Magenta (45%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4399, 29.7018, 23.4780 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 31.4399, 29.7018, 23.4780 by changing the saturation by 10% instead.


 31.4399, 29.7018,
23.4780

 31.4399, 29.7018,
23.4780


300.3507,
300.5120, 283.3718


 21.0875, 19.6124,
14.7382


 61.3031, 59.1903,
50.1101

 13.3008, 12.1136,
8.4913


 81.5447, 79.3581,
68.8396

 7.7144, 6.8211,
4.3187


 105.8134,
103.6542, 91.7360

 3.9630, 3.3505,
1.8017

134.4745,
132.4629, 119.2180

 1.6812, 1.3173,
0.4291

167.8934,
166.1686, 151.7040

 0.4445, 0.1546,
0.0000

206.4355,

 0.0000, 0.0000,

205.1558, 189.6126

0.0000

250.4662,
249.8088, 233.3623

■ 31.4399, 29.7018,
23.4780

■ 31.4399, 29.7018,
23.4780

■ 28.6455, 25.7725,
17.4303

■ 34.6560, 34.1480,
30.6724

■ 26.2521, 22.3367,
12.4675

■ 38.3085, 39.1249,
39.0669

■ 24.2409, 19.3757,
8.5251


■ 42.4142, 44.6510,
48.7141


■ 22.5904, 16.8676,
5.5307


■ 46.9885, 50.7427,
59.6626


■ 21.2768, 14.7887,
3.4022


■ 52.0458, 57.4157,
71.9585


 20.2729, 13.1130,
2.0435


 57.6000, 64.6849,
85.6457

 19.5321, 11.8054,
1.2607

 63.6645, 72.5650,
100.7662

 19.5175, 11.7796,
1.2450

 68.1902, 80.2450,
106.5026

 72.1239, 88.1124,
107.8138

Harmonies

Analogous

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



32.8578, 29.7018, 28.4334



31.4399, 29.7018, 23.4780



29.2069, 29.7018, 21.0503

Triad

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



31.4399, 29.7018, 23.4780



23.9495, 29.7018, 29.6541



29.6778, 29.7018, 46.6313

Complementary

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



31.4399, 29.7018, 23.4780



29.5903, 33.7679, 47.0780

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.



27.2765, 29.7018, 47.0812



31.4399, 29.7018, 23.4780



24.0597, 29.7018, 36.5894

Square

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



31.4399, 29.7018, 23.4780



24.9377, 29.7018, 24.2621



25.2476, 29.7018, 43.1916



31.8014, 29.7018, 42.0377

Rectangle

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



31.4399, 29.7018, 23.4780



27.5972, 29.7018, 20.9265



25.2476, 29.7018, 43.1916



28.8737, 29.7018, 47.2936

Sweetspot

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



31.4407, 29.7032, 23.4786



69.9064, 71.5413, 71.8612



32.3828, 26.8081, 38.5269



15.2632, 15.5459, 15.3989



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.4407, 29.7032, 23.4786



53.4639, 48.8846, 34.8477



35.6317, 38.0853, 24.8756



8.6858, 8.8841, 8.9095



14.0121, 8.5228, 0.9065



0.4917, 0.3698, 0.0455

Inverse Universe

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



29.5903, 33.7679, 47.0780



49.5321, 57.4807, 84.8654



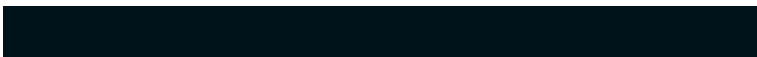
25.4916, 25.5705, 45.7118



8.5353, 9.2168, 10.8355



11.2921, 13.3846, 32.1253



0.4018, 0.5142, 1.0263

Previews

White Background



This preview shows how the XYZ color 31.4399, 29.7018, 23.4780 looks on a white background.

Color Contrast Check

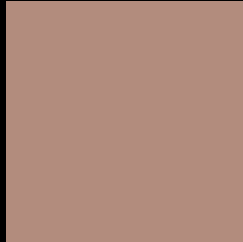
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4399, 29.7018, 23.4780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

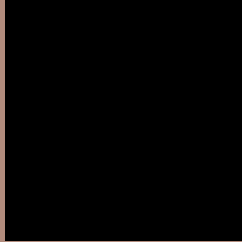
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4399, 29.7018, 23.4780

Background



This preview shows how black text looks on a background with the XYZ color 31.4399, 29.7018, 23.4780.



This preview shows how white text looks on a background with the XYZ color 31.4399, 29.7018,

23.4780.

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

31.4399, 29.7018, 23.4780

Protanopia

28.2627, 29.8327, 25.0376

Deuteranopia

30.2551, 29.7581, 23.2180



Tritanopia

33.0345, 29.7012, 31.5956

Trichromacy



Original Color

31.4399, 29.7018, 23.4780

Protanomaly

29.3315, 29.7018, 24.6092

Deuteranomaly

30.7667, 29.7999, 23.1992

Tritanomaly

32.3391, 29.6247, 28.4398

Monochromacy



Original Color

31.4399, 29.7018, 23.4780

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.5838, 29.9544, 29.4219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4399, 29.7018, 23.4780 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(178, 140, 125)` looks like.

```
.text, #text, p{  
    color:rgb(178, 140, 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(178, 140, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 140, 125) }
```

Border

The CSS property to change the border of an element to XYZ 31.4399, 29.7018, 23.4780 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(178, 140, 125) }
```


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

```
.border{ border-color:rgb(178, 140, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 140, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 140, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 140, 125);  
box-shadow:4px 4px 4px 4px rgb(178, 140,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4399, 29.7018, 23.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 140, 125) }
```

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

```
.background{ background-color: rgb(178,  
140, 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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